

MELLÉKLETEK
APPENDICES
ANHANG
ПРИЛОЖЕНИЯ

TYPE TR-0614/B

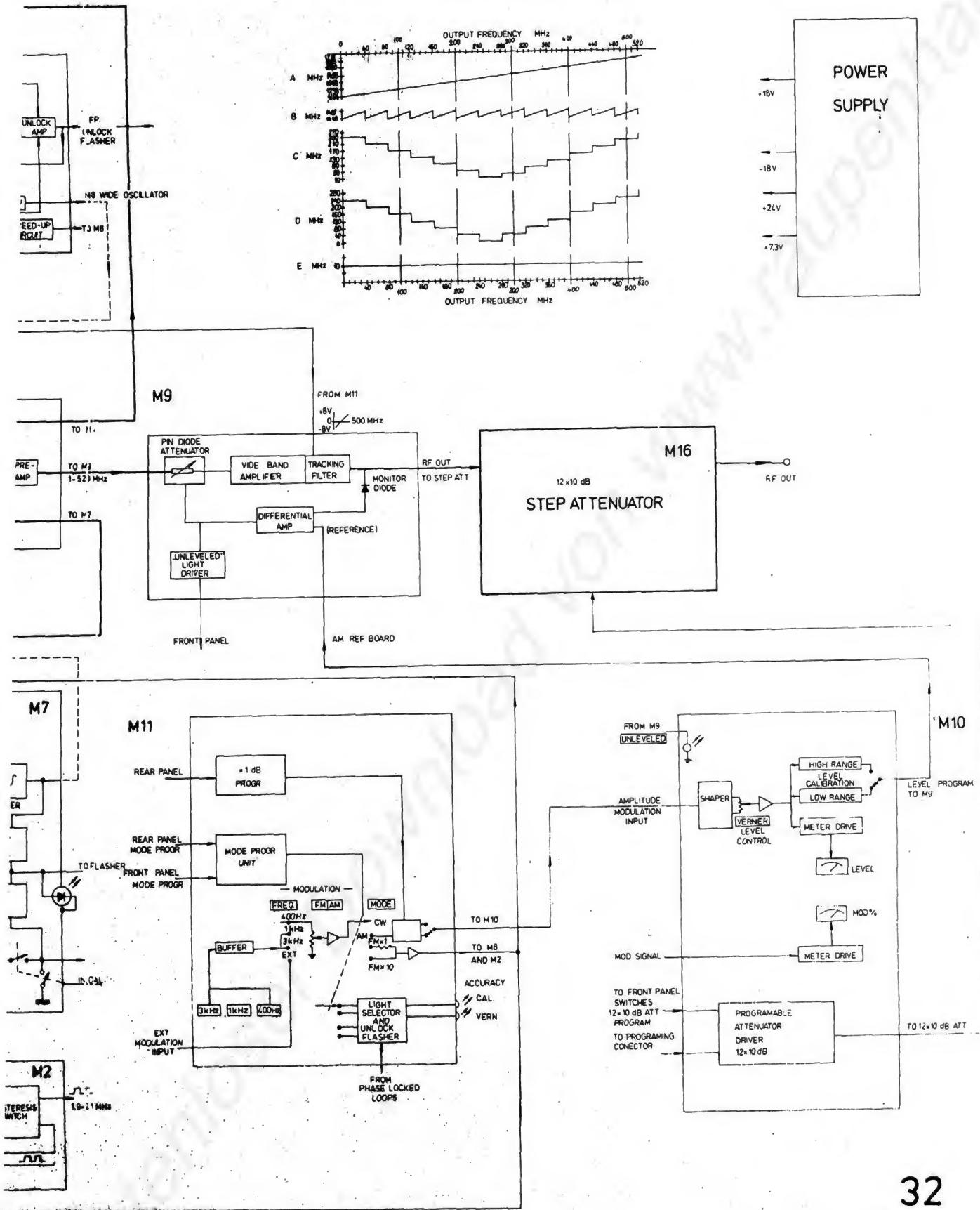


1172/B



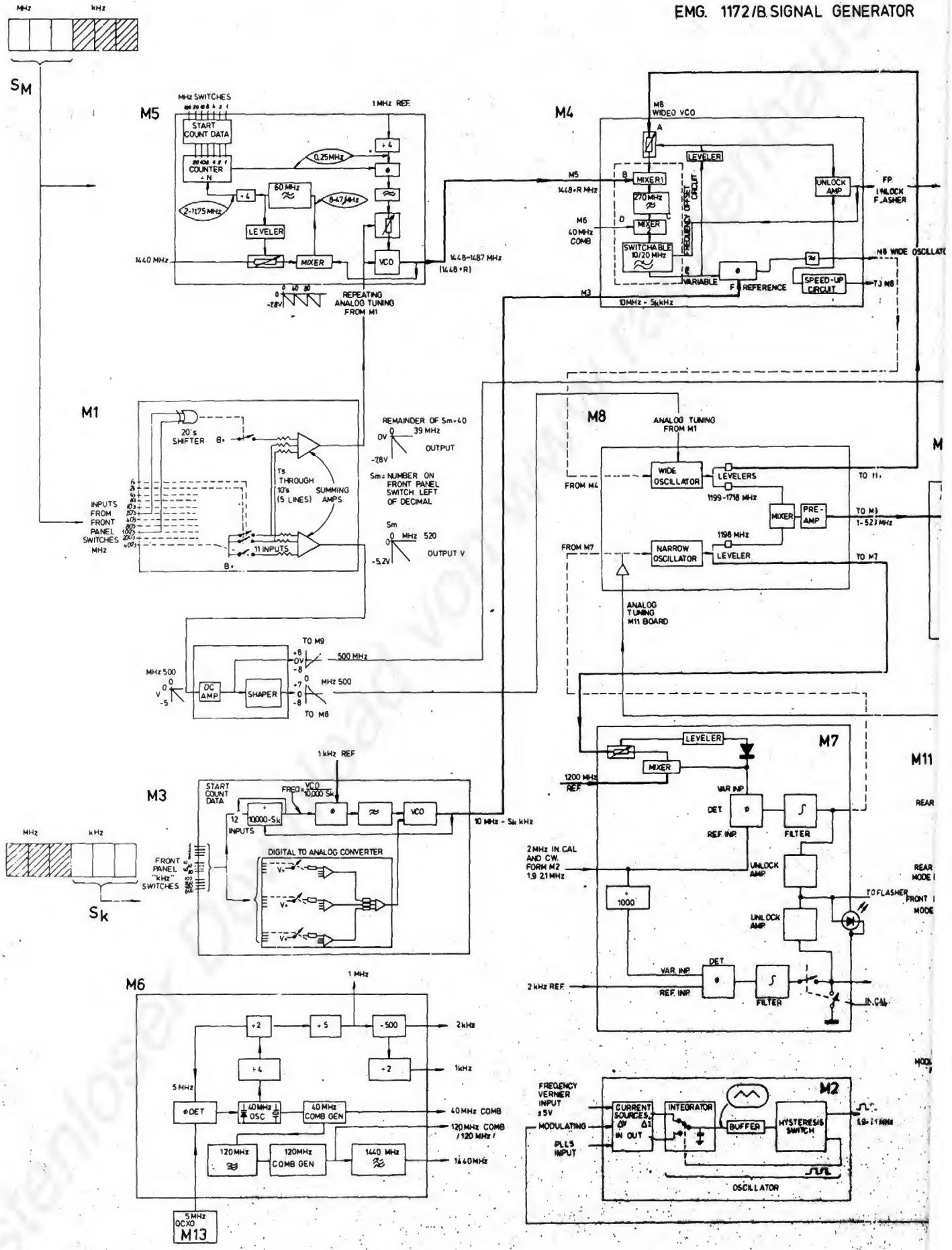
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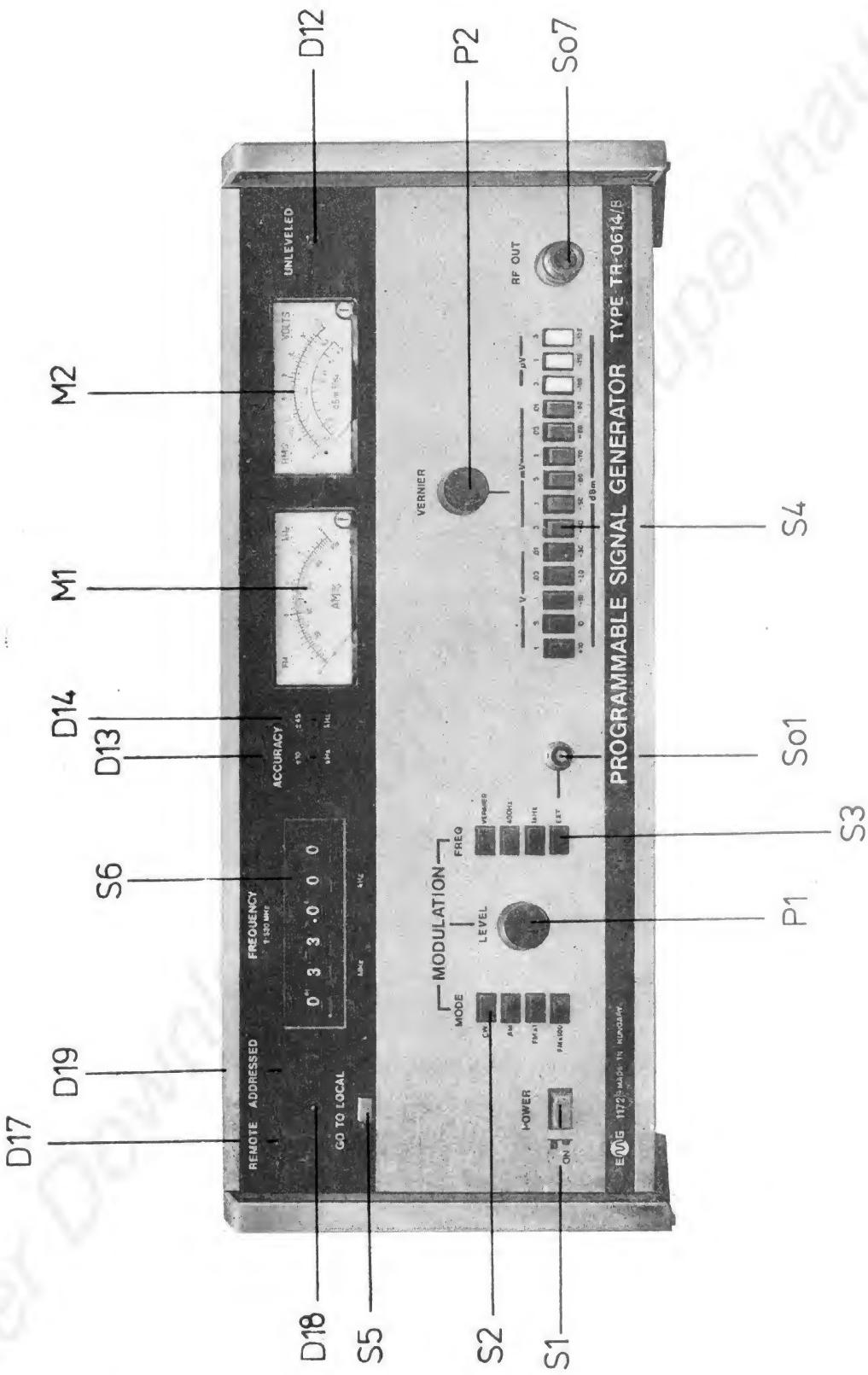
GENERATOR

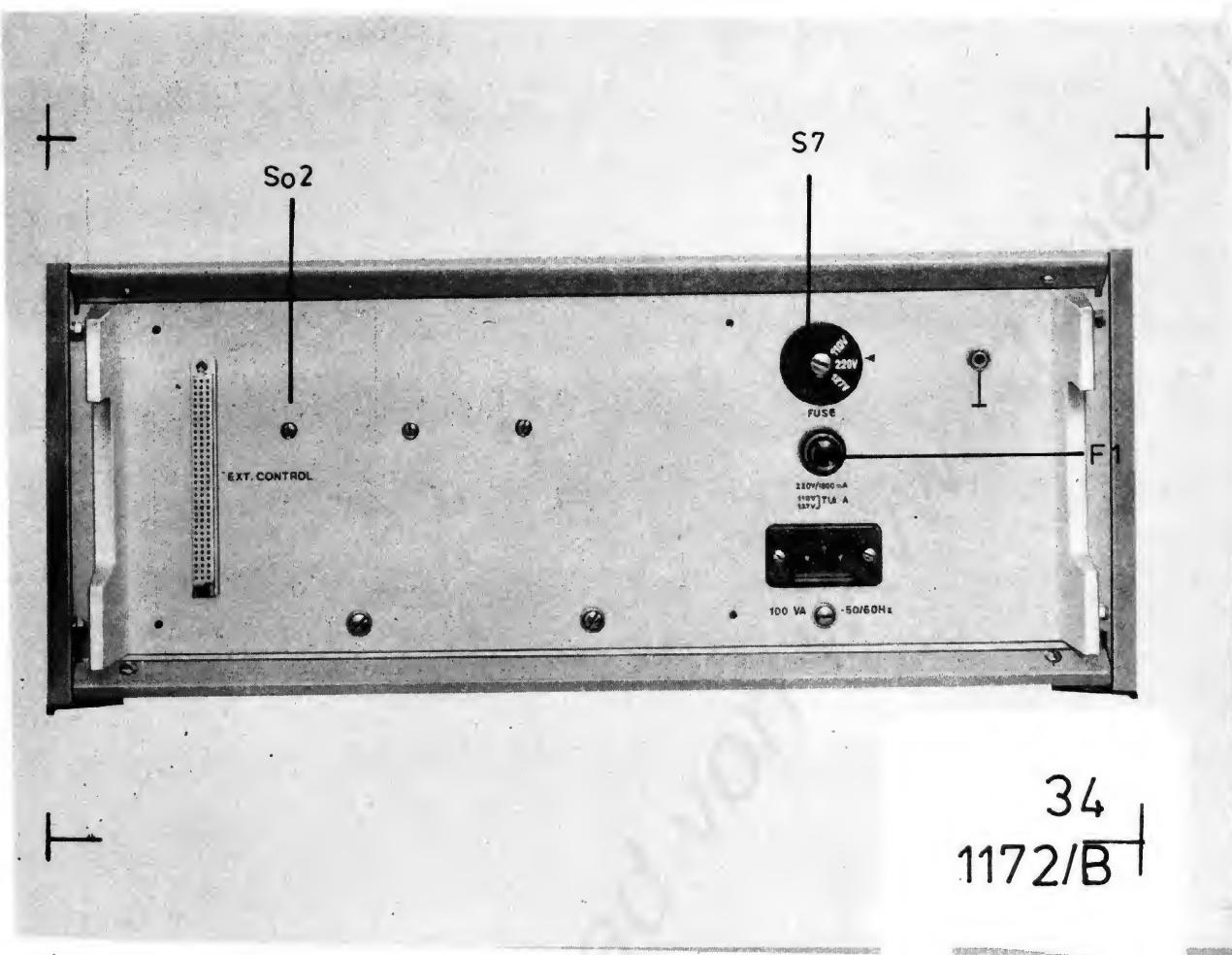


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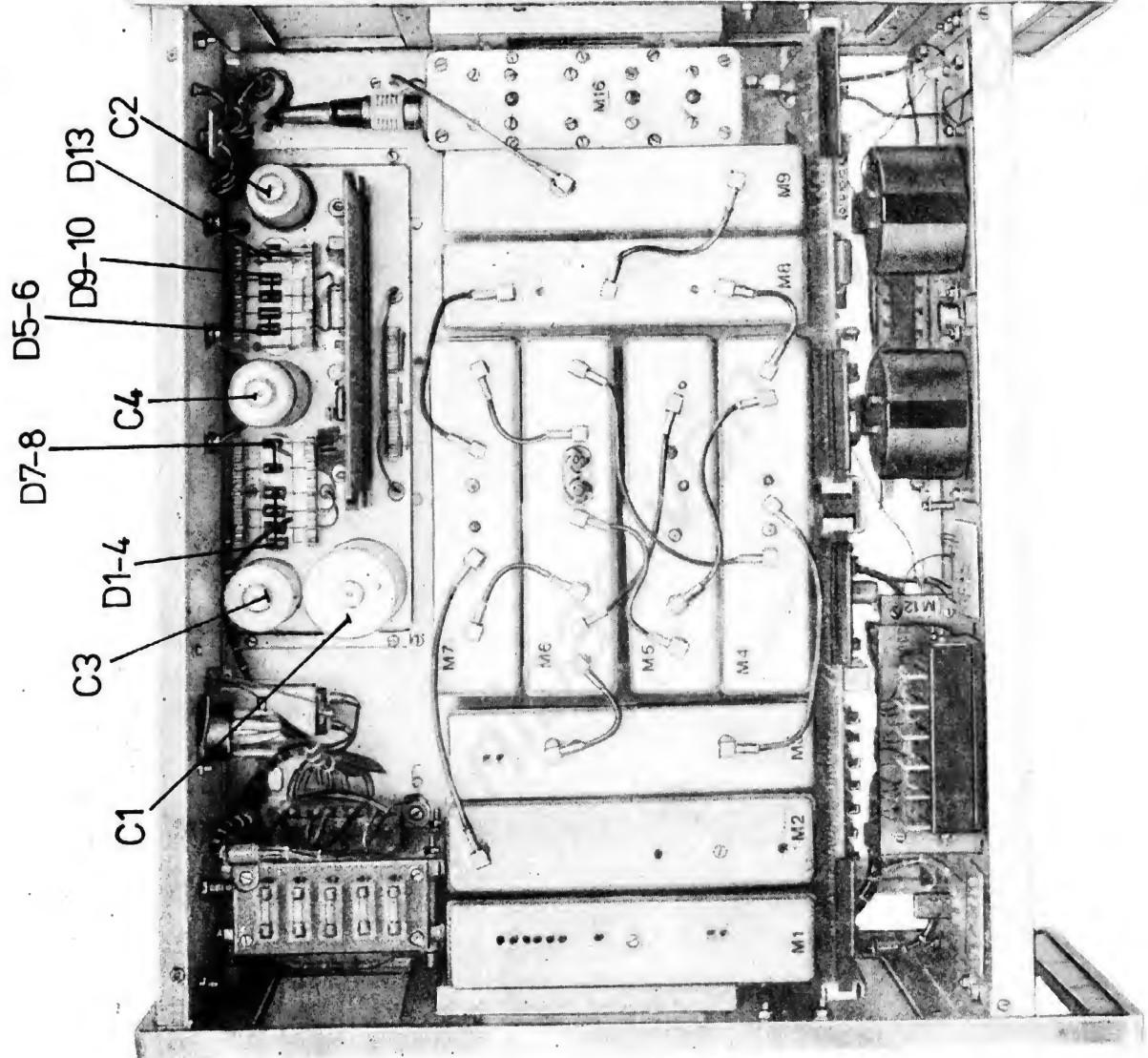
EMG. 1172/B. SIGNAL GENERATOR

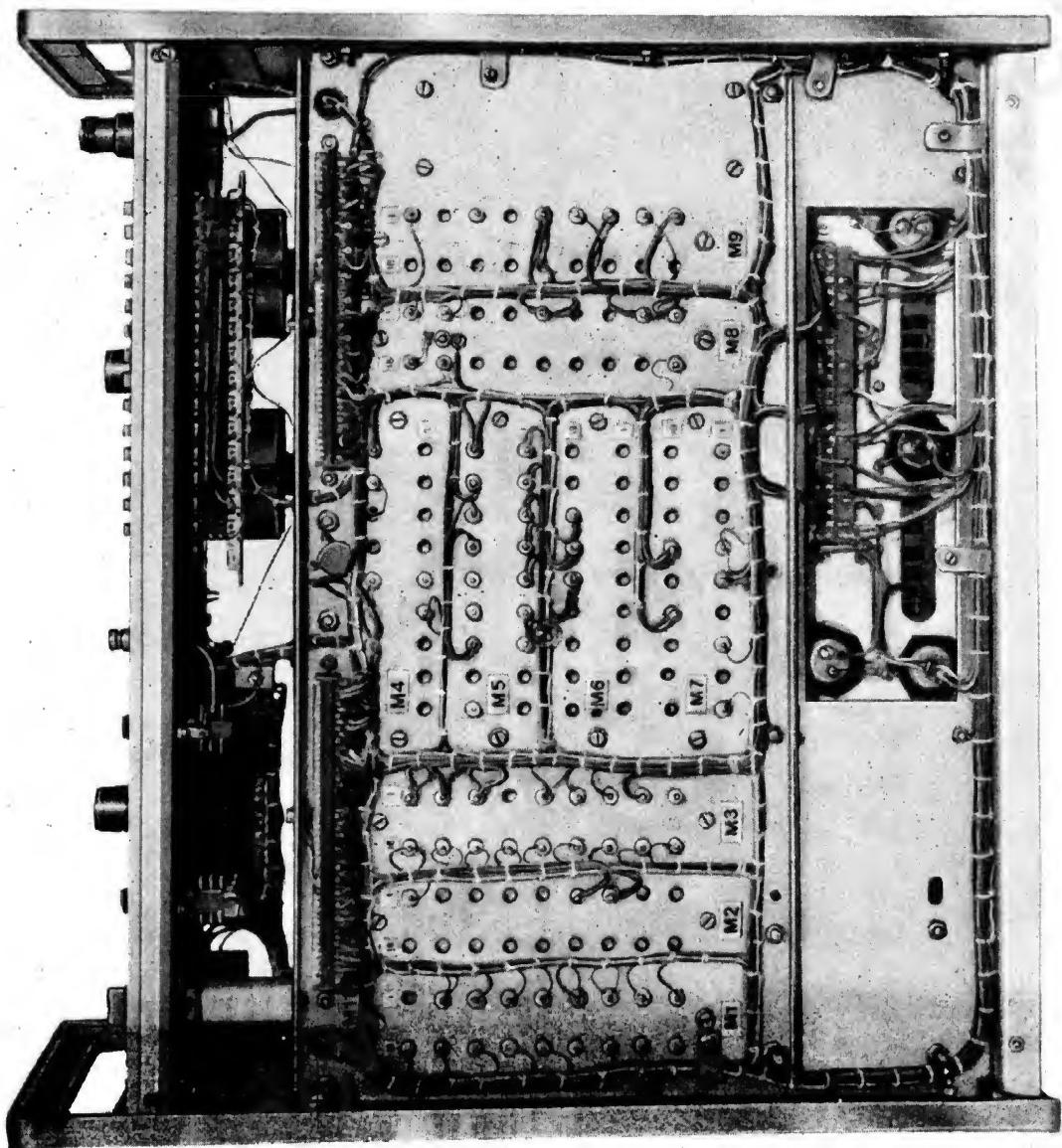






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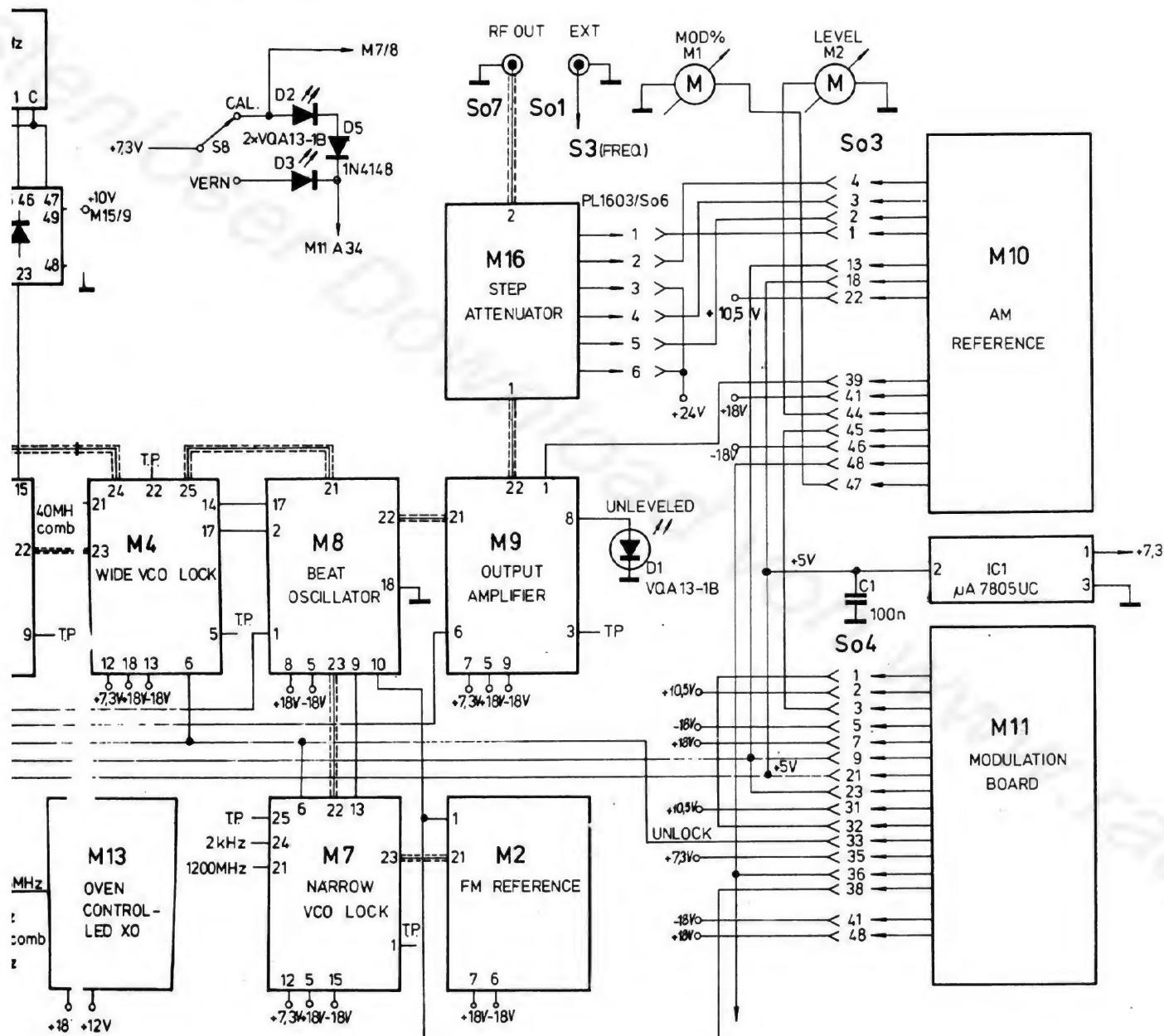
CHASSIS

R,P,C

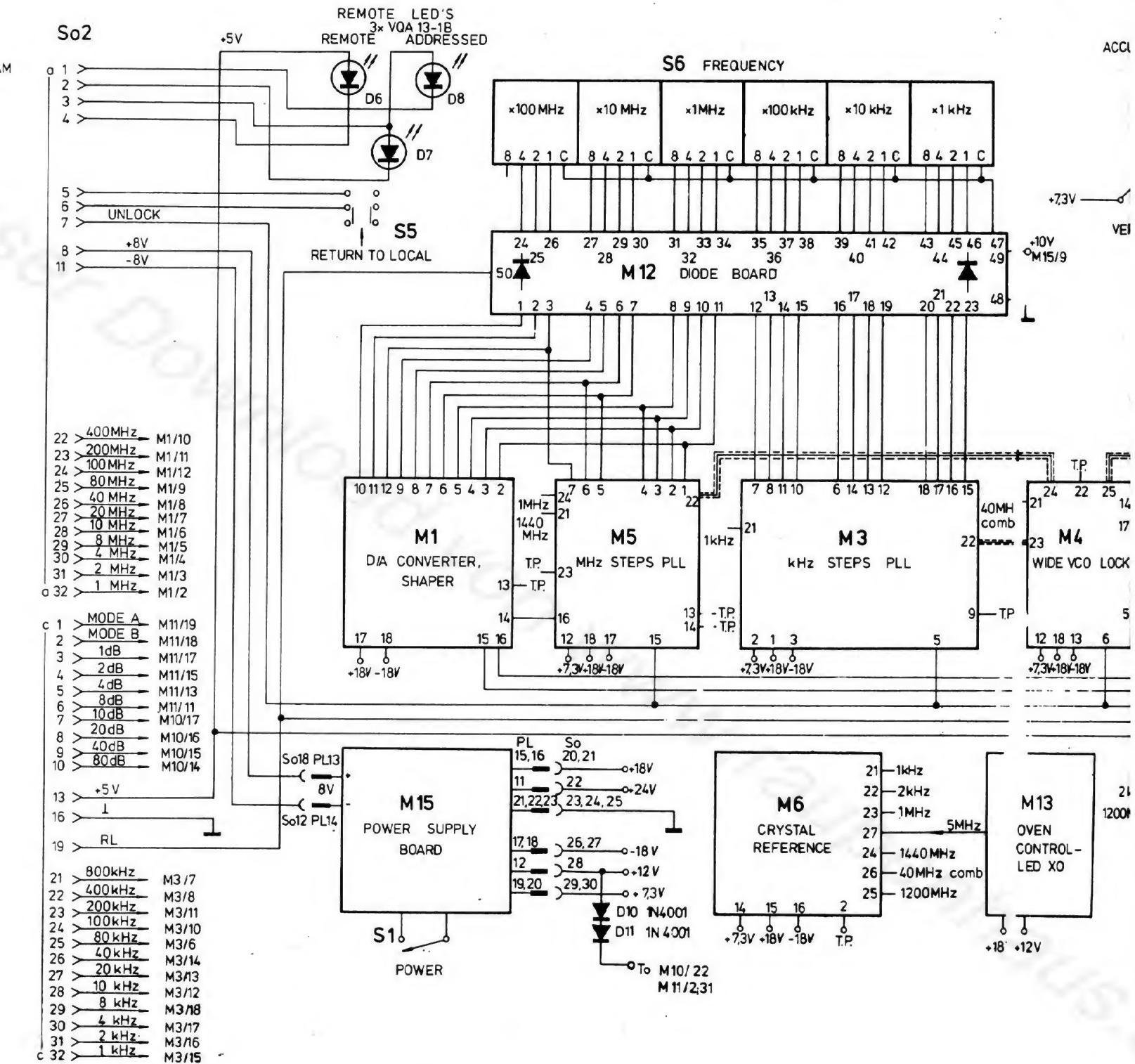
No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1	619	1	0,9	C1	100 n	+50-20	40
R2	619	1	0,9	C2	100 n	+50-20	40
R3	4,99 k	0,5	0,9	C3	6 u	20	160
P1	10 k	20	0,5				
P2	10 k	20	0,5				
P3	10 k	20	0,15				

No		No	
D1	VQAl31B	M1	79DALmA 3050000084
D2	VQAl31B	M2	79DALmA 3050000085
D3	VQAl31B	F1	Go205T 800mA
D5	1N4148	F2	Go205T 800mA
D6	VQAl31B	F3	Go205T 1,6 A
D7	VQAl31B	F4	Go205T 3,15 A
D8	VQAl31B	F5	Go205T 3,15 A
D9	1N4148	F6	Go205T 1,6 A
D10	1N4001	F7	Go205T 800mA
D11	1N4001	L1	UF100/01
IC1	uA7805UC	MoT1	Typ900Bestell-Nr: 9232514001 PAPST

ACCURACY LED'S



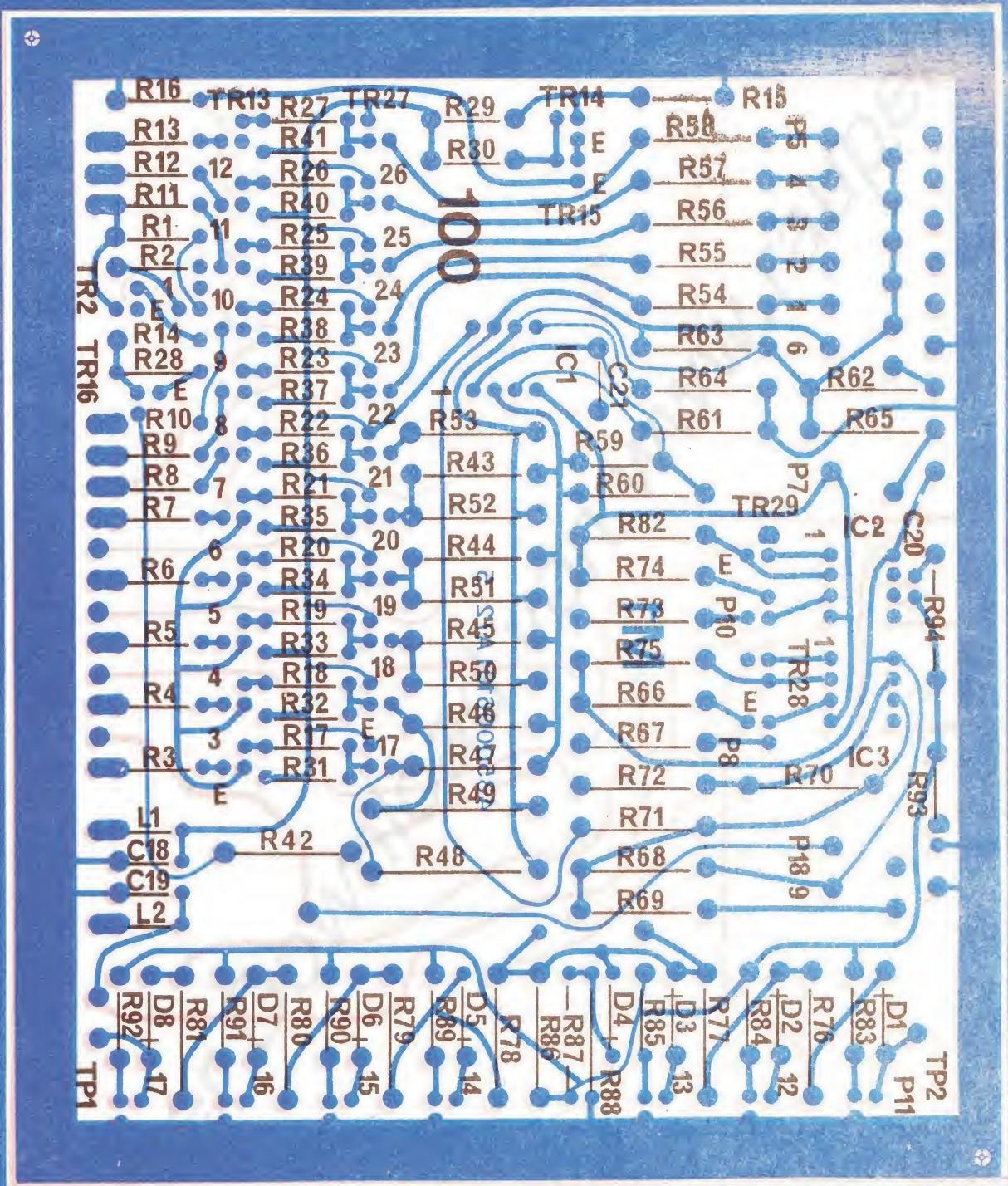
CHASSIS



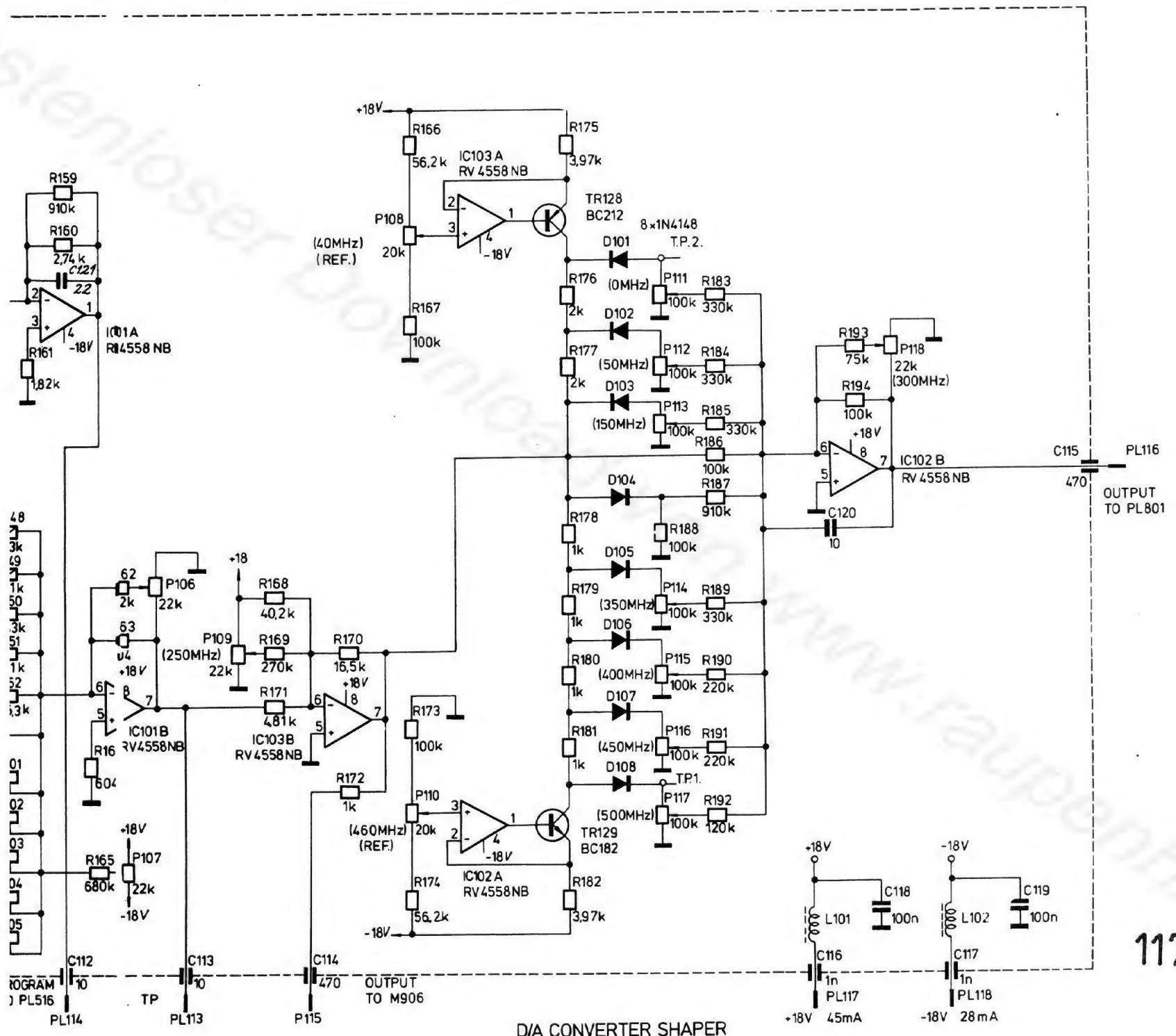
No	Ω/F	%	W/V	No	Ω/F	%	W/V
R101	270 k	5	0,25	R137	22 k	5	0,25
R102	270 k	5	0,25	R138	22 k	5	0,25
R103	1 k	5	0,25	R139	22 k	5	0,25
R104	1 k	5	0,25	R140	22 k	5	0,25
R105	1 k	5	0,25	R141	22 k	5	0,25
R106	1 k	5	0,25	R142	12,1 k	1	0,9
R107	1 k	5	0,25	R143	24,3 k	1	0,9
R108	1 k	5	0,25	R144	30,1 k	1	0,9
R109	1 k	5	0,25	R145	60,4 k	1	0,9
R110	1 k	5	0,25	R146	121 k	1	0,9
R111	1 k	5	0,25	R147	243 k	1	0,9
R112	1 k	5	0,25	R148	953 k	1	0,9
R113	1 k	5	0,25	R149	481 k	0,5	0,9
R114	68 k	5	0,25	R150	243 k	1	0,9
R115	3,3 k	5	0,25	R151	121 k	1	0,9
R116	270	5	0,25	R152	95,3 k	1	0,9
R117	4,7 k	5	0,25	R153	48,1 k	0,5	0,9
R118	4,7 k	5	0,25	R154	22,9 k	0,5	0,9
R119	4,7 k	5	0,25	R155	11,4 k	0,5	0,9
R120	4,7 k	5	0,25	R156	9,09 k	1	0,9
R121	4,7 k	5	0,25	R157	4,7 k	0,5	0,9
R122	4,7 k	5	0,25	R158	2,21 k	1	0,9
R123	4,7 k	5	0,25	R159	910 k	5	0,25
R124	4,7 k	5	0,25	R160	2,74 k	1	0,9
R125	4,7 k	5	0,25	R161	1,82 k	1	0,9
R126	4,7 k	5	0,25	R162	2 k	1	0,9
R127	4,7 k	5	0,25	R163	604	1	0,9
R128	22 k	5	0,25	R164	604	1	0,9
R129	15 k	5	0,25	R165	680 k	5	0,25
R130	470	5	0,25	R166	56,2 k	1	0,9
R131	22 k	5	0,25	R167	100 k	1	0,9
R132	22 k	5	0,25	R168	40,2 k	1	0,9
R133	22 k	5	0,25	R169	270 k	5	0,25
R134	22 k	5	0,25	R170	16,5 k	1	0,9
R135	22 k	5	0,25	R171	4,81 k	0,5	0,9
R136	22 k	5	0,25	R172	1 k	1	0,9

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R173	100 k	1	0,9	P111	100 k	10	0,5
R174	56,2 k	1	0,9	P112	100 k	10	0,5
R175	3,97 k	0,5	0,9	P113	100 k	10	0,5
R176	2 k	1	0,9	P114	100 k	10	0,5
R177	2 k	1	0,9	P115	100 k	10	0,5
R178	1 k	1	0,9	P116	100 k	10	0,5
R179	1 k	1	0,9	P117	100 k	10	0,5
R180	1 k	1	0,9	P118	22 k	10	0,5
R181	1 k	1	0,9				
R182	3,97 k	0,5	0,9	C101	1 n	+50-20	350
R183	330 k	5	0,25	C102	1 n	+50-20	350
R184	330 k	5	0,25	C103	1 n	+50-20	350
R185	330 k	5	0,25	C104	1 n	+50-20	350
R186	100 k	1	0,9	C105	1 n	+50-20	350
R187	910 k	5	0,25	C106	1 n	+50-20	350
R188	100 k	5	0,25	C107	1 n	+50-20	350
R189	330 k	5	0,25	C108	1 n	+50-20	350
R190	220 k	5	0,25	C109	1 n	+50-20	350
R191	220 k	5	0,25	C110	1 n	+50-20	350
R192	120 k	5	0,25	C111	1 n	+50-20	350
R193	75 k	5	0,25	C112	10 p	10	350
R194	100 k	1	0,9	C113	10 p	10	350
P101	2,2 k	10	0,5	C114	470 p	+50-20	350
P102	1 k	10	0,5	C115	470 p	+50-20	350
P103	1 k	10	0,5	C116	1 n	+50-20	350
P104	470	10	0,5	C117	1 n	+50-20	350
P105	470	10	0,5	C118	100 n	+50-20	40
P106	22 k	10	0,5	C119	100 n	+50-20	40
P107	22 k	10	0,5	C120	10 p	0,5p	500
P108	20 k	10	0,5	C121	22 p	5	500
P109	22 k	10	0,5				
P110	20 k	10	0,5				

No		No	
D101	1N4148	TR113	BC182
D102	1N4148	TR114	BC182
D103	1N4148	TR115	BC182
D104	1N4148	TR116	BC212
D105	1N4148	TR117	BC212
D106	1N4148	TR118	BC212
D107	1N4148	TR119	BC212
D108	1N4148	TR120	BC212
		TR121	BC212
TR101	BC182	TR122	BC212
TR102	BC182	TR123	BC212
TR103	BC182	TR124	BC212
TR104	BC182	TR125	BC212
TR105	BC182	TR126	BC212
TR106	BC182	TR127	BC212
TR107	BC182	TR128	BC212
TR108	BC182	TR129	BC182
TR109	BC182		
TR110	BC182	TC101	RV4558NB
TR111	BC182	TC102	RV4558NB
TR112	BC182	TC103	RV4558NB
		L101	7240000030
		L102	7240000030



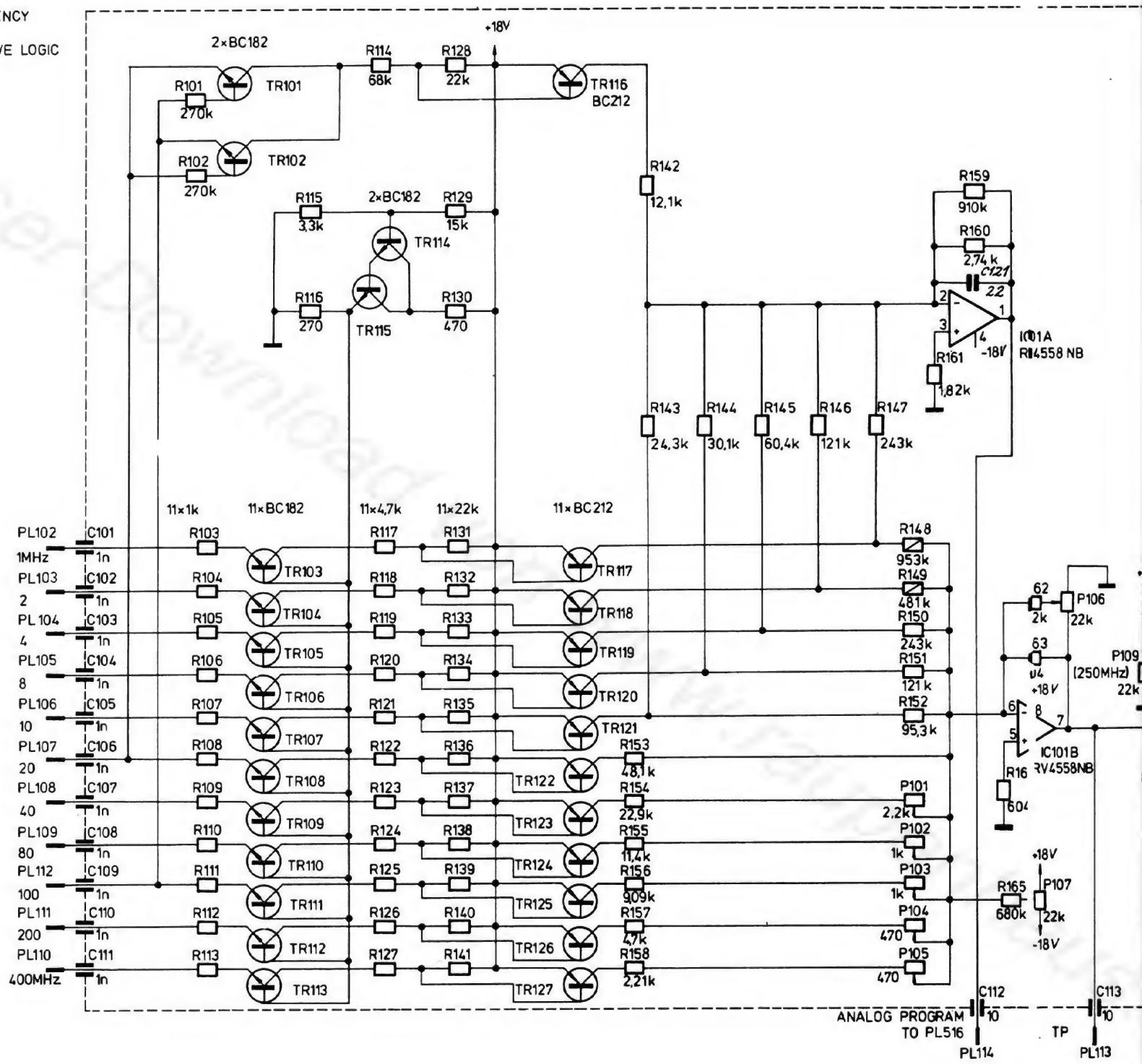
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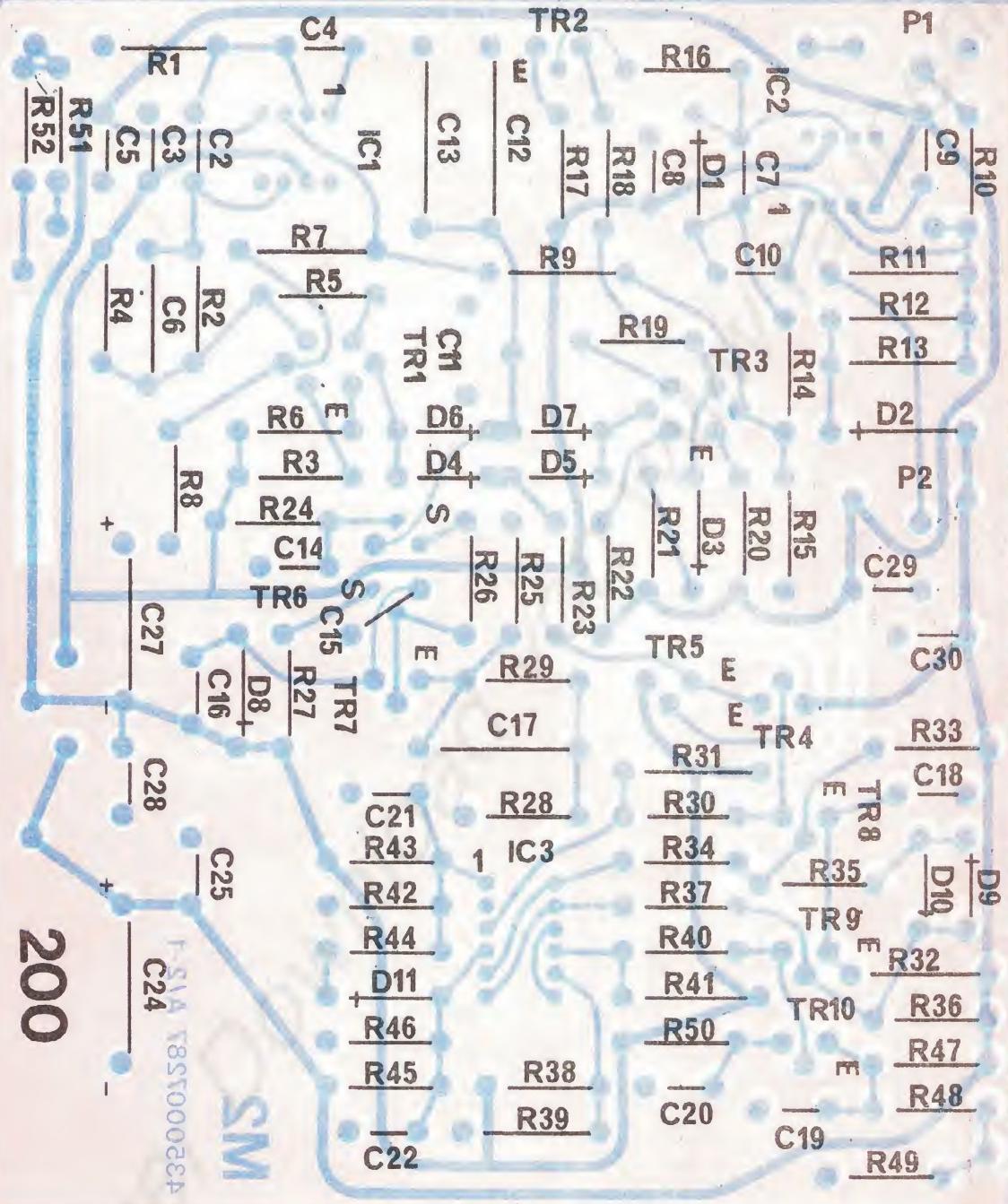
MHz FREQUENCY
PROGRAM
BCD NEGATIVE LOGIC
FROM M12



No	Ω/F	%	W/V	No	Ω/F	%	W/V
R201	1 k	1	0,9	R237	100	1	0,9
R202	2 k	1	0,9	R238	15 k	1	0,9
R203	1 k	1	0,9	R239	2,4 k	0,5	0,9
R204	2 k	1	0,9	R240	1,1 k	1	0,9
R205	240 k	0,5	0,9	R241	1,5 k	1	0,9
R206	1 k	1	0,9	R242	357	1	0,9
R207	110 k	1	0,9	R243	5,11 k	1	0,9
R208	499	1	0,9	R244	1,1 k	1	0,9
R209	110 k	1	0,9	R245	5,11 k	1	0,9
R210	5,11 k	1	0,9	R246	361	0,5	0,9
R211	110 k	1	0,9	R247	15 k	1	0,9
R212	200 k	1	0,9	R248	511	1	0,9
R213	5,11 k	1	0,9	R249	825	1	0,9
R214	1 k	1	0,9	R250	100	1	0,9
R215	1 k	1	0,9	R251	47 k	1	0,9
R216	511	1	0,9	R252	1 M	1	0,9
R217	3,92 k	1	0,9				
R218	3,92 k	1	0,9	P201	2,2 k	10	0,5
R219	240	0,5	0,9	P202	22 k	10	0,5
R220	1 k	1	0,9				
R221	3,92 k	1	0,9	C201	10 p	10	350
R222	1 k	1	0,9	C202	68 p	5	500
R223	33,2 k	1	0,9	C203	10 n	+80-20	40
R224	100 k	1	0,9	C204	150 p	20	500
R225	5,11 k	1	0,9	C205	10 n	+80-20	40
R226	511	1	0,9	C206	2,7 n	5	160
R227	511	1	0,9	C207	68 p	5	500
R228	825	1	0,9	C208	10 n	+80-20	40
R229	511	1	0,9	C209	10 n	+80-20	40
R230	1,1 k	1	0,9	C210	150 p	20	500
R231	1,5 k	1	0,9	C211	10-40 p		250
R232	1,5 k	1	0,9	C212	68 p	5	250
R233	2 k	1	0,9	C213	470 p	5	250
R234	100	1	0,9	C214	10 n	+80-20	40
R235	100	1	0,9	C215	10 n	+80-20	40
R236	2 k	1	0,9	C216	1 n	20	500

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C217	51 p	5	250	C225	10 n	+80-20	40
C218	22 p	5	500	C226	1 n	+50-20	350
C219	22 p	5	500	C227	10 u		25
C220	10 n	+80-20	40	C228	10 n	+80-20	40
C221	10 n	+80-20	40	C229	10 n	+80-20	40
C222	10 n	+80-20	40	C230	10 n	+80-20	40
C223	1 n	+50-20	350	C231	10 p	10	350
C224	10 u		25	C232	10 p	10	350

No		No	
D201	1N4148	TR201	TD401
D202	1N4148	TR202	BC212
D203	1N4148	TR203	TD101
D204	FD777	TR204	2N3904
D205	FD777	TR205	2N3906
D206	FD777	TR206	2N3958
D207	FD777	TR207	2N3906
D208	1N4148	TR208	MPS3640
D209	1N4148	TR209	MPS3640
D210	1N4148	TR210	2N3906
D211	1N4148	L201	7240000030
IC201	LM301AN	L202	7240000030
IC202	LM301AN		
IC203	CA3049T		

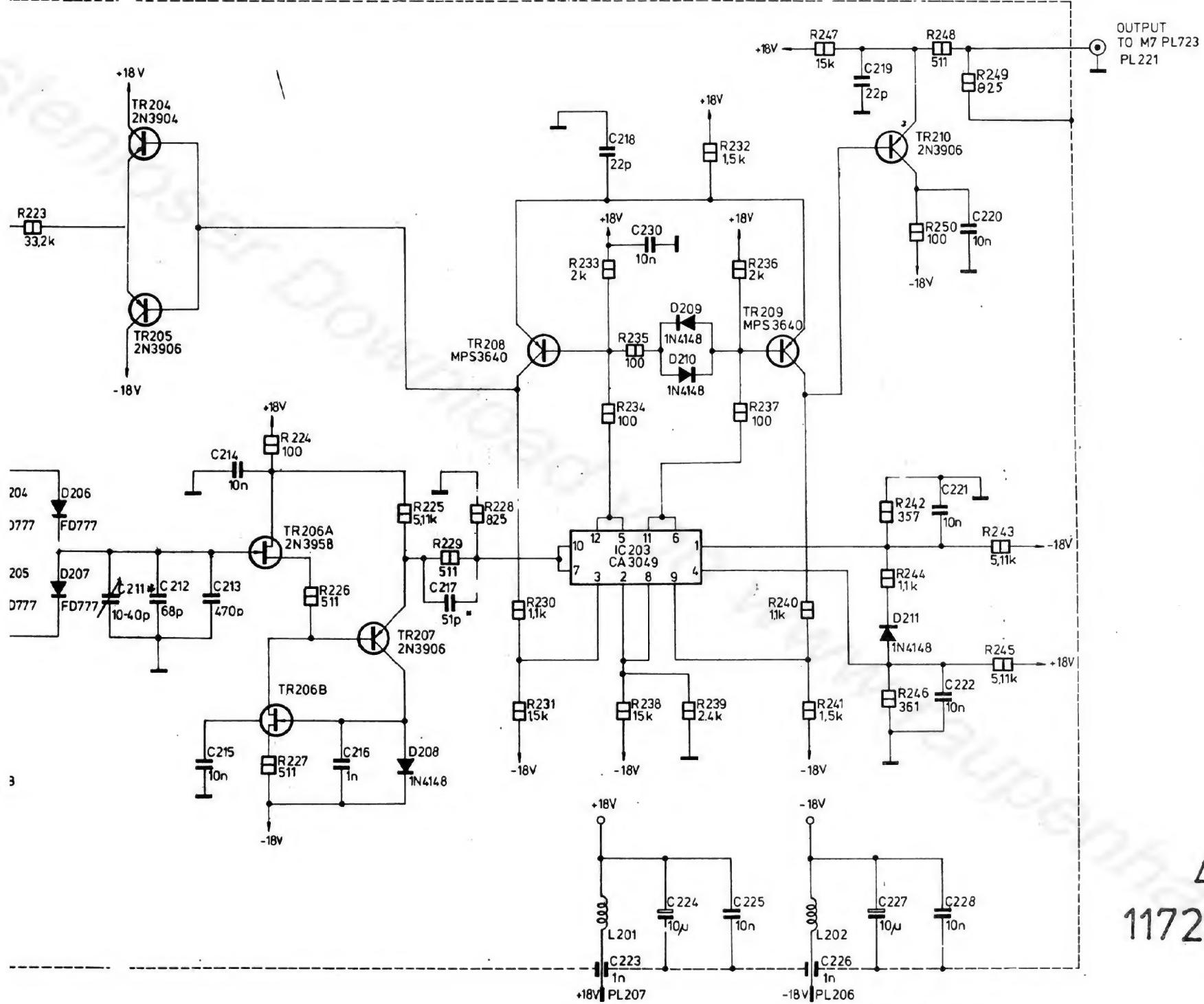


200

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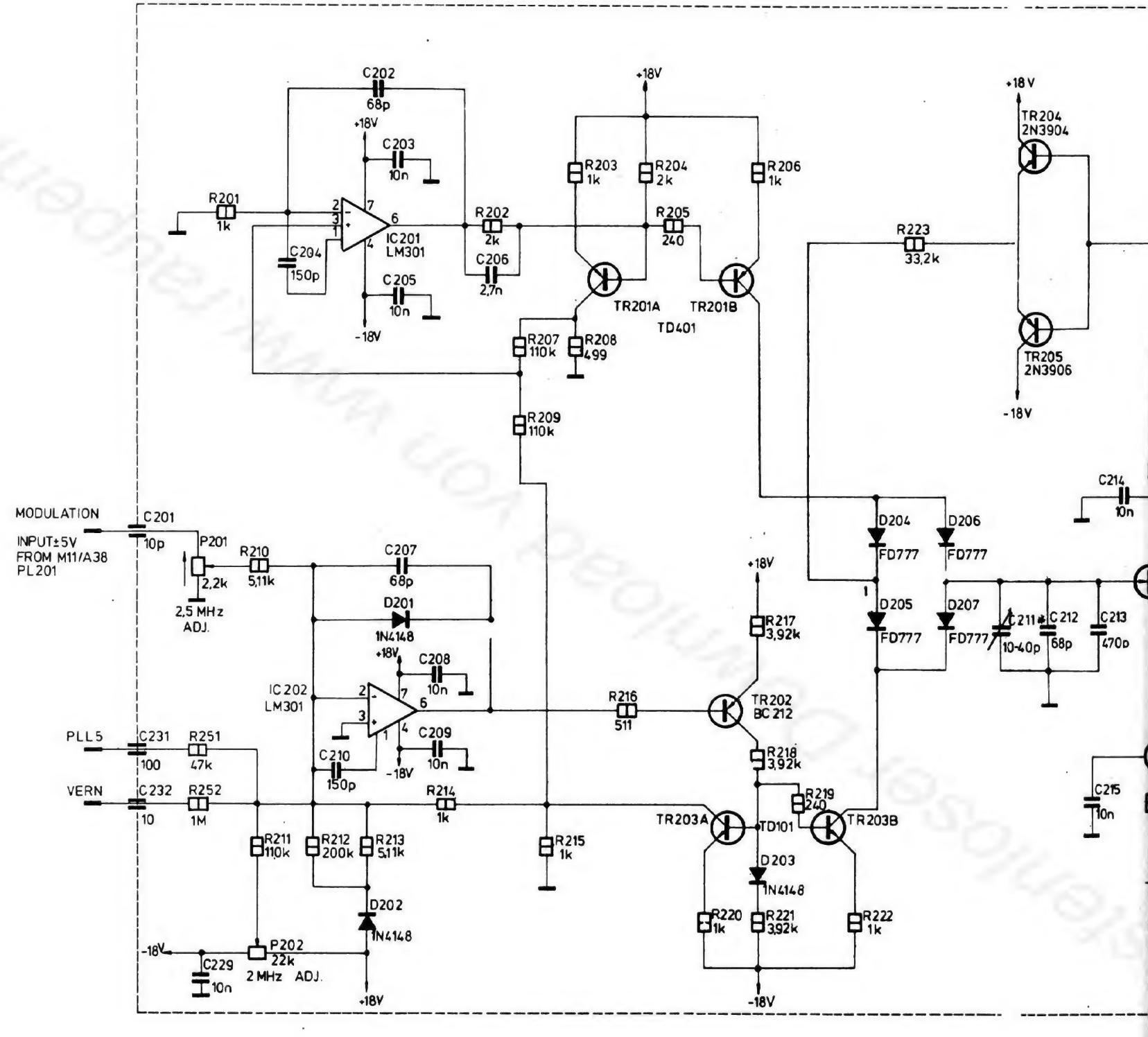
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FM REFERENCE.

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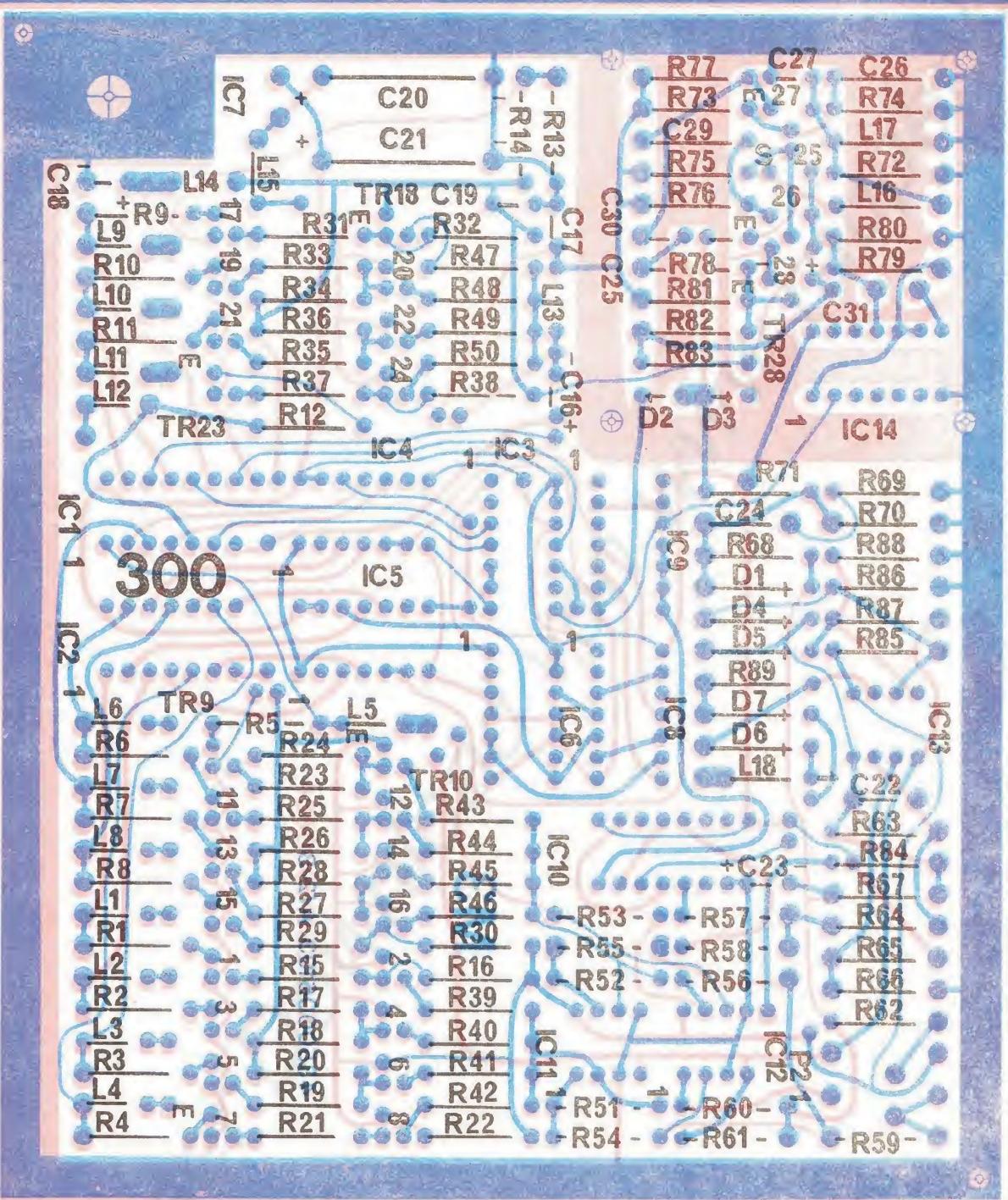
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No	Ω/F	%	W/V	No	Ω/F	%	W/V
R301	510	5	0,25	R337	4,7 k	5	0,25
R302	1 k	5	0,25	R338	22 k	5	0,25
R303	1 k	5	0,25	R339	10 k	1	0,9
R304	1 k	5	0,25	R340	20 k	1	0,9
R305	510	5	0,25	R341	39,7 k	0,5	0,9
R306	1 k	5	0,25	R342	79,6 k	0,5	0,9
R307	1 k	5	0,25	R343	10 k	1	0,9
R308	1 k	5	0,25	R344	20 k	1	0,9
R309	510	5	0,25	R345	39,7 k	0,5	0,9
R310	1 k	5	0,25	R346	79,6 k	0,5	0,9
R311	1 k	5	0,25	R347	10 k	1	0,9
R312	1 k	5	0,25	R348	20 k	1	0,9
R313	820	5	0,25	R349	39,7 k	0,5	0,9
R314	6,8 k	5	0,25	R350	79,6 k	0,5	0,9
R315	4,7 k	5	0,25	R351	3,92 k	1	0,9
R316	22 k	5	0,25	R352	3,92 k	1	0,9
R317	4,7 k	5	0,25	R353	3,92 k	1	0,9
R318	22 k	5	0,25	R354	10 k	1	0,9
R319	4,7 k	5	0,25	R355	100 k	1	0,9
R320	22 k	5	0,25	R356	1 M	5	0,25
R321	4,7 k	5	0,25	R357	1,8 k	5	0,25
R322	22 k	5	0,25	R358	1,8 k	5	0,25
R323	4,7 k	5	0,25	R359	3,32 k	1	0,9
R324	22 k	5	0,25	R360	12,1 k	1	0,9
R325	4,7 k	5	0,25	R361	22 k	5	0,25
R326	22 k	5	0,25	R362	82 k	5	0,25
R327	4,7 k	5	0,25	R363	1 M	5	0,25
R328	22 k	5	0,25	R364	33 k	5	0,25
R329	4,7 k	5	0,25	R365	27 k	5	0,25
R330	22 k	5	0,25	R366	12 k	5	0,25
R331	4,7 k	5	0,25	R367	110 k	5	0,25
R332	22 k	5	0,25	R368	390 k	5	0,25
R333	4,7 k	5	0,25	R369	1 k	5	0,25
R334	22 k	5	0,25	R370	3,3 M	5	0,25
R335	4,7 k	5	0,25	R371	91 k	5	0,25
R336	22 k	5	0,25	R372	51	5	0,25

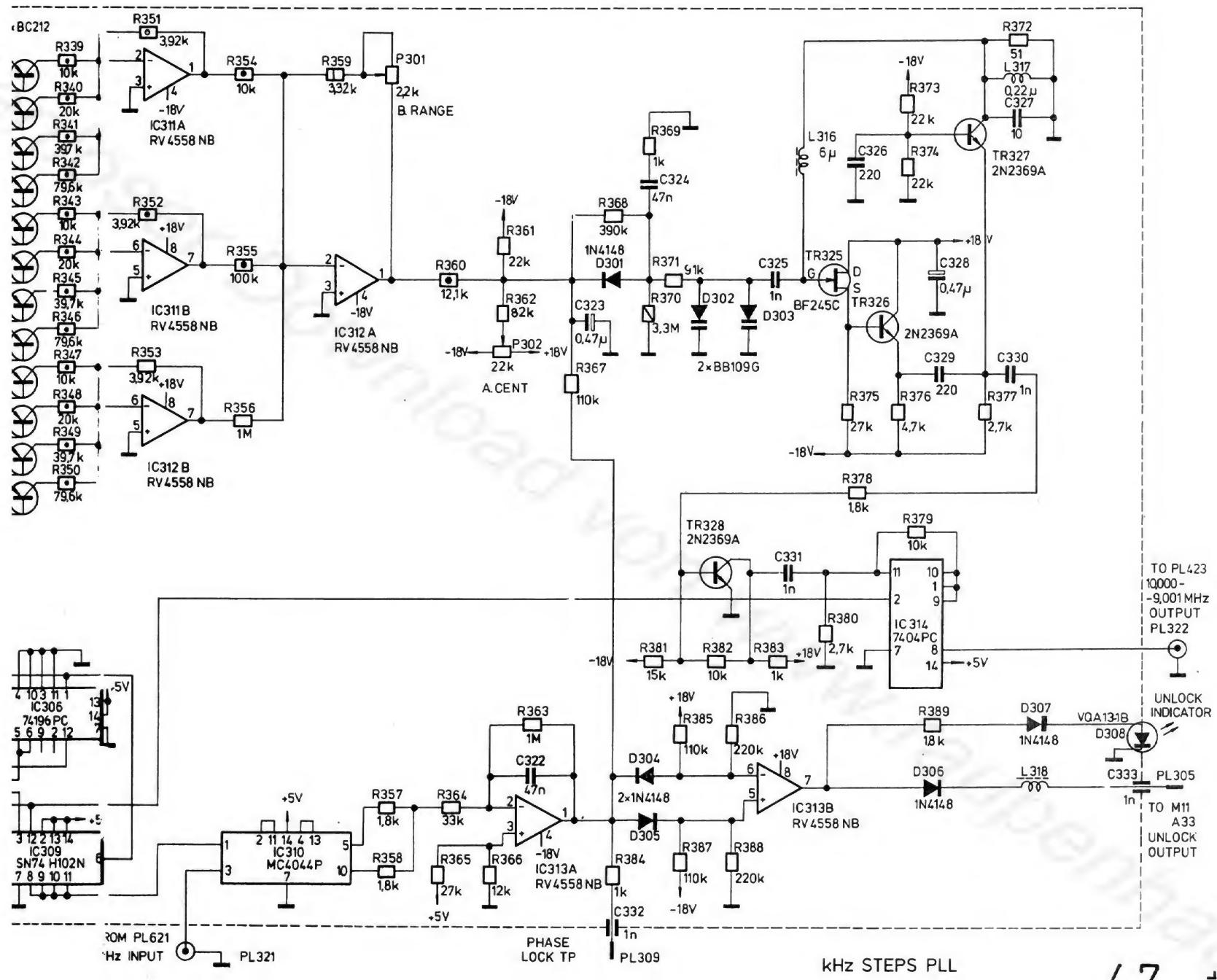
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R373	22 k	5	0,25	C306	1 n	+50-20	350
R374	22 k	5	0,25	C307	1 n	+50-20	350
R375	27 k	5	0,25	C308	1 n	+50-20	350
R376	4,7 k	5	0,25	C309	1 n	+50-20	350
R377	2,7 k	5	0,25	C310	1 n	+50-20	350
R378	1,8 k	5	0,25	C311	1 n	+50-20	350
R379	10 k	5	0,25	C312	1 n	+50-20	350
R380	2,7 k	5	0,25	C313	1 n	+50-20	350
R381	15 k	5	0,25	C314	1 n	+50-20	350
R382	10 k	5	0,25	C315	1 n	+50-20	350
R383	1 k	5	0,25	C316	1 u		35
R384	1 k	5	0,25	C317	22 n	+80-20	40
R385	110 k	5	0,25	C318	1 u		35
R386	220 k	5	0,25	C319	22 n	+80-0	40
R387	110 k	5	0,25	C320	100 u		16
R388	220 k	5	0,25	C321	100 u		16
R389	1,8 k	5	0,25	C322	47 n	+50-20	40
				C323	0,47 u		35
P301	22 k	20	0,5	C324	47 n	+50-20	40
P302	22 k	20	0,5	C325	1 n	+50-20	500
				C326	220 p	5	160
C301	1 n	+50-20	350	C327	10 p	0,5 p	550
C302	1 n	+50-20	350	C328	0,47 u		35
C303	1 n	+50-20	350	C329	220 p	5	160
C304	1 n	+50-20	350	C330	1 n	+50-20	500
C305	1 n	+50-20	350	C331	1 n	+50-20	500
				C332	1 n	+50-20	350
				C333	1 n	+50-20	350

No		No	
D301	1N4148	IC301	7404PC
D3202	BB109G	IC302	7404PC
D303	BB109G	IC303	74196PC
D304	1N4148	IC304	74196PC
D305	1N4148	IC305	74196PC
D306	1N4148	IC306	74196PC
D307	1N4148	IC307	uA7805UC
D308	VQAI31B	IC308	7408PC
		IC309	SN74H102N
TR301	BC182	IC310	MC4044P
TR302	BC212	IC311	RV4558NB
TR303	BC182	IC312	RV4558NB
TR304	BC212	IC313	RV4558NB
TR305	BC182	IC314	7404PC
TR306	BC212		
TR307	BC182		
TR308	BC212		
TR309	BC182		
TR310	BC212	L301	7240000030
TR311	BC182	L302	7240000030
TR312	BC212	L303	7240000030
TR313	BC182	L304	7240000030
TR314	BC212	L305	7240000030
TR315	BC182	L306	7240000030
TR316	BC212	L307	7240000030
TR317	BC182	L308	7240000030
TR318	BC212	L309	7240000030
TR319	BC182	L310	7240000030
TR320	BC212	L311	7240000030
TR321	BC182	L312	7240000030
TR322	BC212	L313	7240000030
TR323	BC182	L314	7240000030
TR324	BC212	L315	7240000030
TR325	BF2450	L316	7260000902
TR326	2N2369A	L317	7240000028
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TR328	2N2369A		



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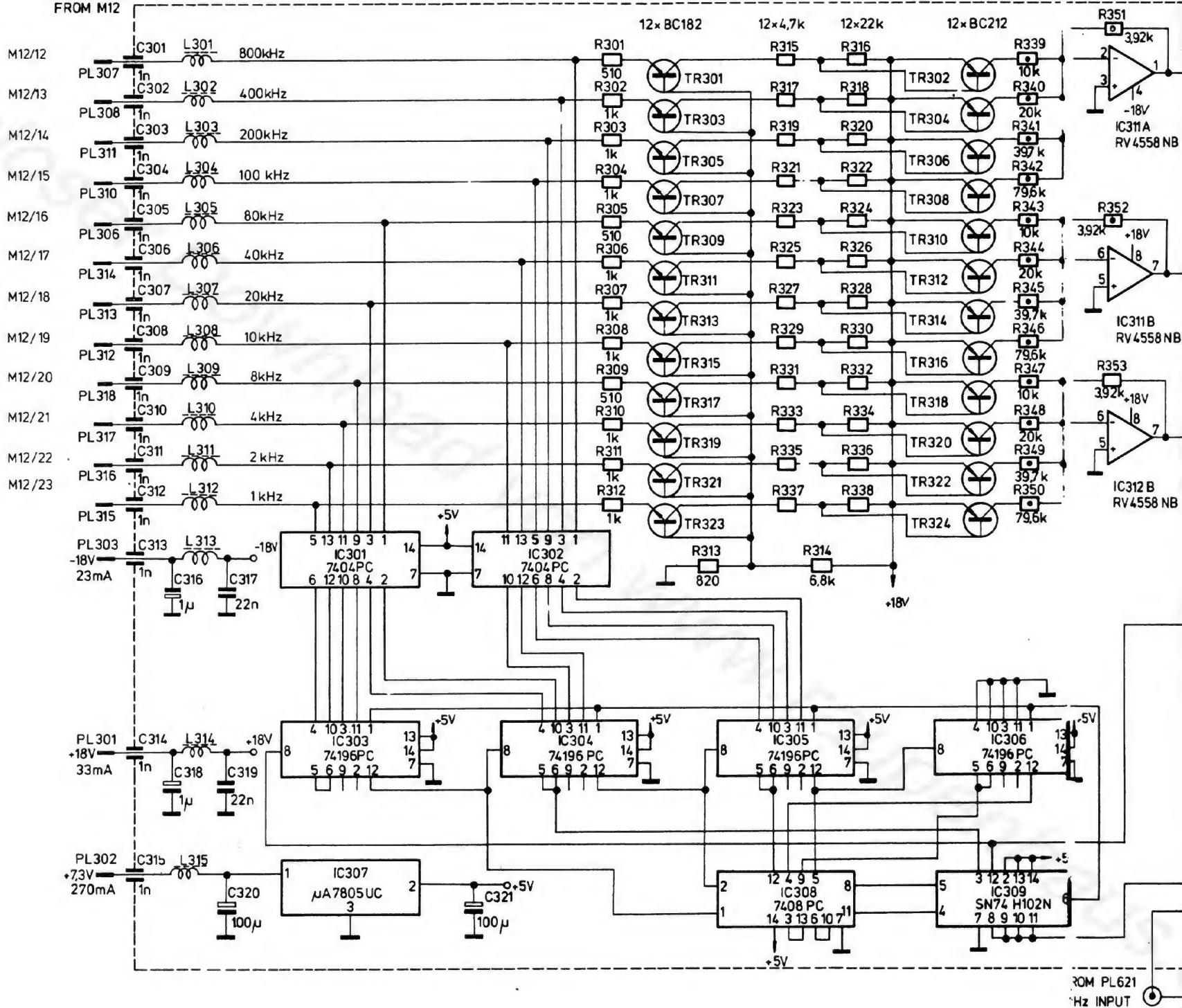


kHz STEPS PLL

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KHz FREQ.
PROGRAM
BCD NEG. LOGIC
FROM M12



No	Ω/F	%	W/V	No	Ω/F	%	W/V
R401	2,2 k	5	0,125	R438	390	5	0,25
R402	47 k	5	0,125	R439	22 k	5	0,25
R403	47 k	5	0,125	R440	2,2 k	5	0,25
R404	27	5	0,125	R441	390	5	0,25
R405	68	5	0,125	R442	47	5	0,25
R406	360	5	0,25	R443	2 k	5	0,25
R407	320	5	0,125	R444	2 k	5	0,25
R408	47	5	0,25	R445	2 k	5	0,25
R409	1,2 k	5	0,25	R446	15 k	5	0,25
R410	40 k	5	0,25	R447	47 k	5	0,25
R411	15 k	5	0,25	R448	1 k	5	0,25
R412	10 k	5	0,25	R449	15 k	5	0,25
R413	1 k	5	0,25	R450	510	5	0,25
R414	100 k	5	0,25	R451	2,7 k	5	0,25
R415	47 k	5	0,25	R452	12 k	5	0,25
R416	33 k	5	0,25	R453	470	5	0,25
R417	7,5 k	5	0,25	R454	1,2 k	5	0,25
R418	7,5 k	5	0,25	R455	470 k	5	0,25
R419	11 M	5	0,25	R456	12 k	5	0,25
R420	2,2 k	5	0,25	R457	27 k	5	0,25
R421	470 k	5	0,25	R458	3,3 k	5	0,25
R422	330 k	5	0,25	R459	5,1 M	5	0,5
R423	2,2 M	5	0,5	R460	10 k	5	0,25
R424	4,7 k	5	0,25	R461	10 k	5	0,25
R425	22 k	5	0,25	R462	2,2 M	5	0,5
R426	1,8 k	5	0,25	R463	470 k	5	0,25
R427	51	5	0,125	R464	5,1 M	5	0,5
R428	100	5	0,125	R465	1 k	5	0,5
R429	51	5	0,125	R466	33 k	5	0,25
R430	51	5	0,125	R467	680 k	5	0,25
R431	470	5	0,125	R468	680 k	5	0,25
R432	22 k	5	0,25	R469	100 k	5	0,25
R433	2,2 k	5	0,25	R470	100 k	5	0,25
R434	390	5	0,25	R471	33 k	5	0,25
R435	22 k	5	0,25	R472	3,3 k	5	0,25
R436	47	5	0,25	R473	33 k	5	0,25
R437	2,2 k	5	0,25	R474	100	5	0,25

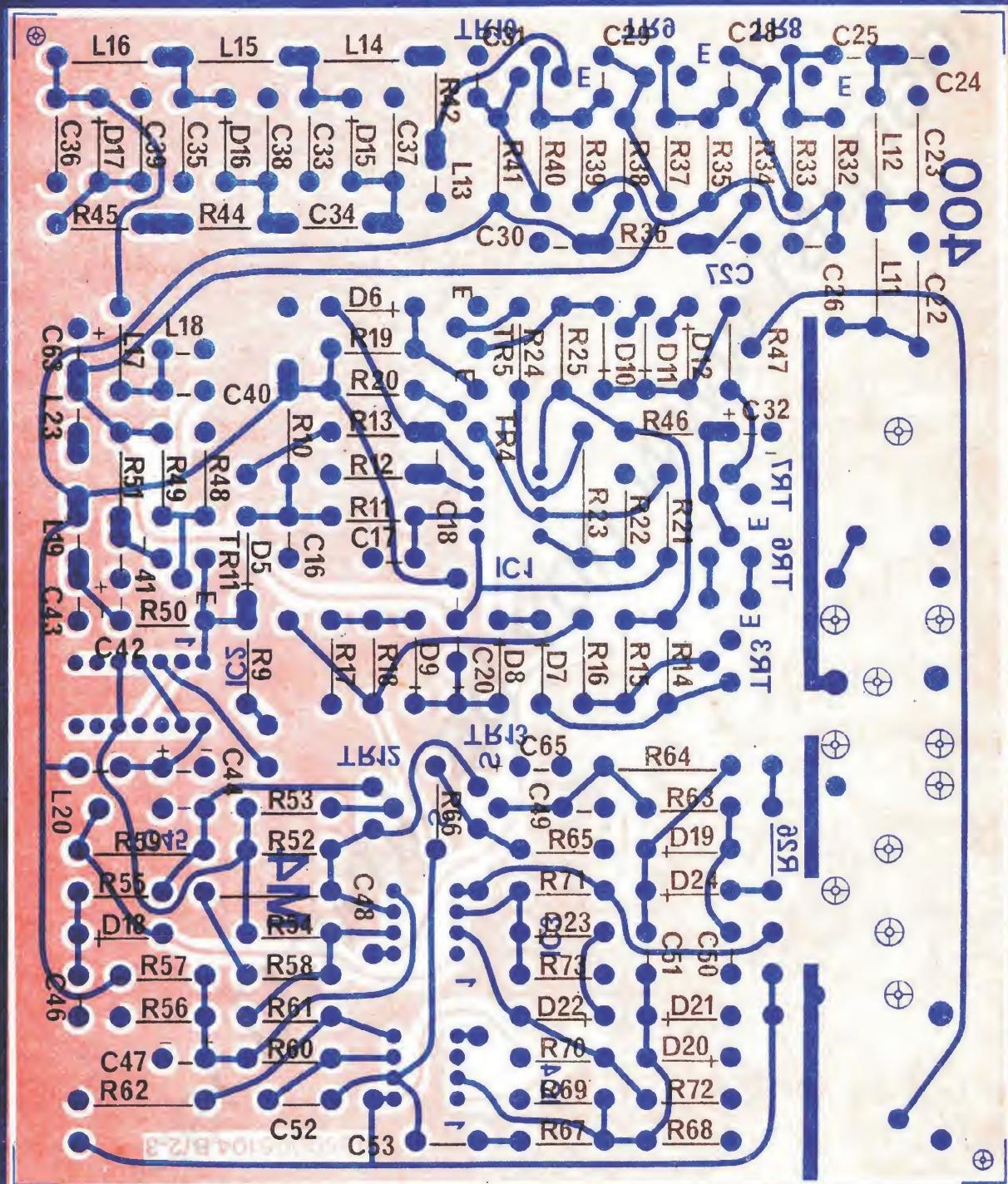
No	Ω/F	%	W/V	No	Ω/F	%	W/V
C401	1 n	+50-20	350	C434	100 p	5	160
C402	1 n	+50-20	350	C435	150 p	5	160
C403	1 n	10	50	C436	120 p	5	160
C404	1 n	10	50	C437	330 p	5	160
C405	1 p	0,25p	500	C438	330 p	5	160
C406	7 p	0,25P	500	C439	330 p	5	160
C407	15 p	5	500	C440	22 n	+80-20	40
C408	15 p	5	500	C441	1 u		35
C409	7 p	0,25p	500	C442	100 n	+50-20	50
C410	4 p	0,25p	500	C443	1 u		35
C411	4,7 n	+80-20	40	C444	1 u		35
C412	7 p	0,25p	500	C445	27 p	5	500
C413	1 n	+50-20	350	C446	1 n	20	500
C414	4,7 n	+80-20	40	C447	1 u		35
C415	2,2 p	0,25p	500	C448	22 n	5	160
C416	470 p	20	500	C449	470 p	20	500
C417	4,7 n	+50-20	500	C450	150 p	20	500
C418	1 n	20	500	C451	4,7 n	+50-20	160
C419	10 p	10	350	C452	47 n	+50-20	40
C420	1 u		35	C453	47 n	+50-20	40
C421	18 p	10	350	C454	150 p	+50-20	500
C422	39 p	5	350	C455	10 p	10	350
C423	39 p	5	350	C456	10 p	0,5p	500
C424	27 p	5	350	C457	10 p	10	350
C425	10 n	+80-20	40	C458	10 p	0,5p	500
C426	22 n	+80-20	40	C459	10 p	10	350
C427	22 n	+80-20	40	C460	100 u		16
C428	22 n	+80-20	40	C461	1 n	+50-20	350
C429	22 n	+80-20	40	C462	100 u		16
C430	22 n	+80-20	40	C463	1 u		35
C431	22 n	+80-20	40	C464	1 n	+50-20	350
C432	1 u		35	C465	1 u		35
C433	120 p	5	160	C466	1 n	+50-20	350

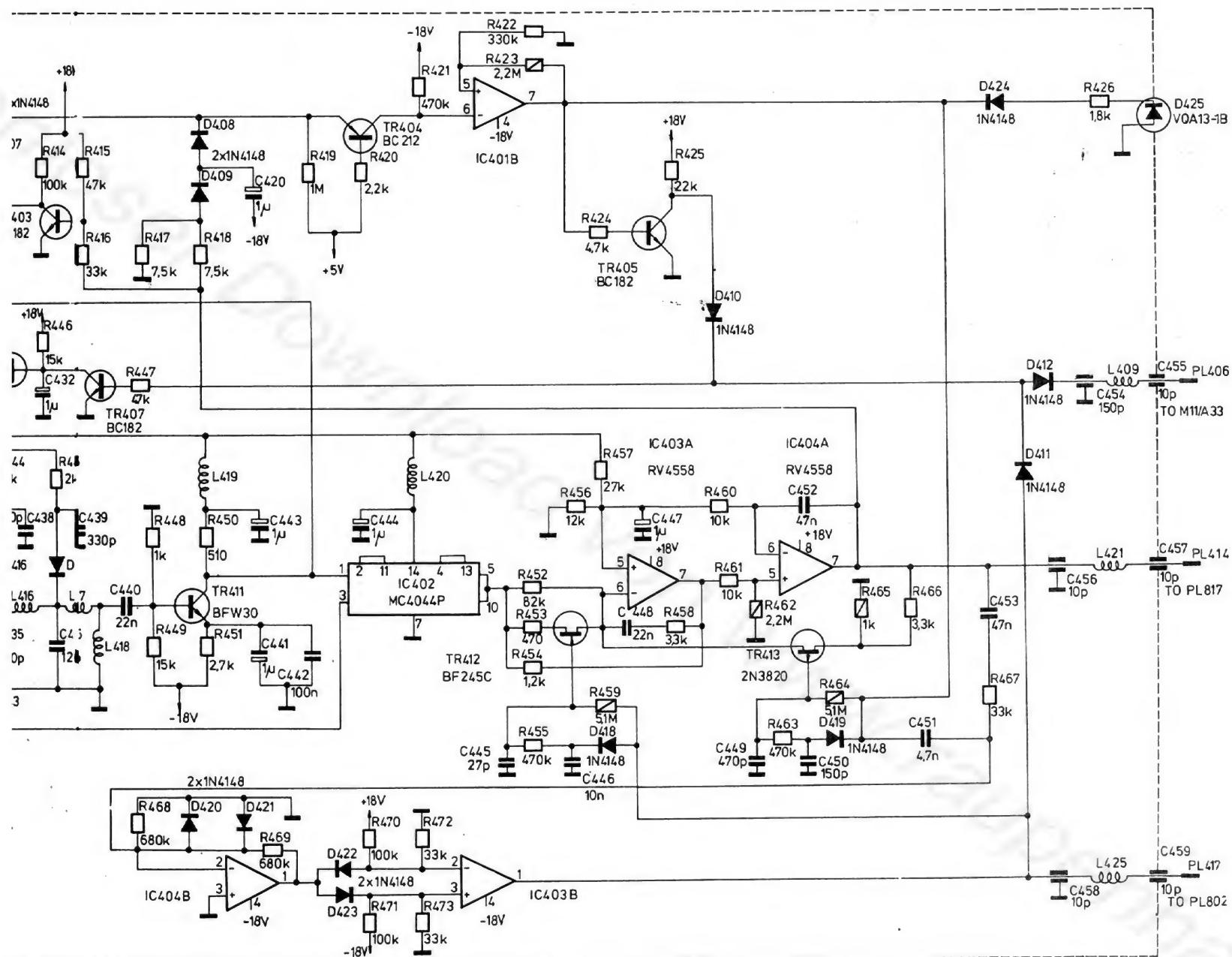
No		No	
D401	50823077	TR401	BFW30
D402	50823077	TR402	BFW30
D403	50822835	TR403	BC182
D404	50822835	TR404	BC212
D405	50822835	TR405	BC182
D406	1N4148	TR406	BC182
D407	1N4148	TR407	BC182
D408	1N4148	TR408	BFW30
D409	1N4148	TR409	BFW30
D410	1N4148	TR410	2N2369A
D411	1N4148	TR411	BFW30
D412	1N4148	TR412	BF245C
D413	50822835	TR413	2N3820
D414	50822835		
D415	BA243	IC401	RV4558NB
D416	BA243	IC402	MC4044P
D417	BA243	IC403	RV4558NB
D418	1N4148	IC404	RV4558NB
D419	1N4148	IC405	μA7805UC
D420	1N4148	T401	3861000286
D421	1N4148	T402	3861000287
D422	1N4148		
D423	1N4148		
D424	1N4148		
D425	VQA131B		

No		No	
L401	7240000054	L414	7240000033
L402	7240000054	L415	7240000034
L403	7240000030	L416	7240000034
L404	7250000032	L417	7240000034
L405	7250000033	L418	7240000030
L406	7250000033	L419	7240000030
L407	7250000031	L420	7240000030
L408	7240000030	L421	7240000030
L409	7240000030	L422	7240000030
L410	7240000038	L423	7240000030
L411	7240000038	L424	7240000030
L412	7240000038	L425	7240000030
L413	7240000031		

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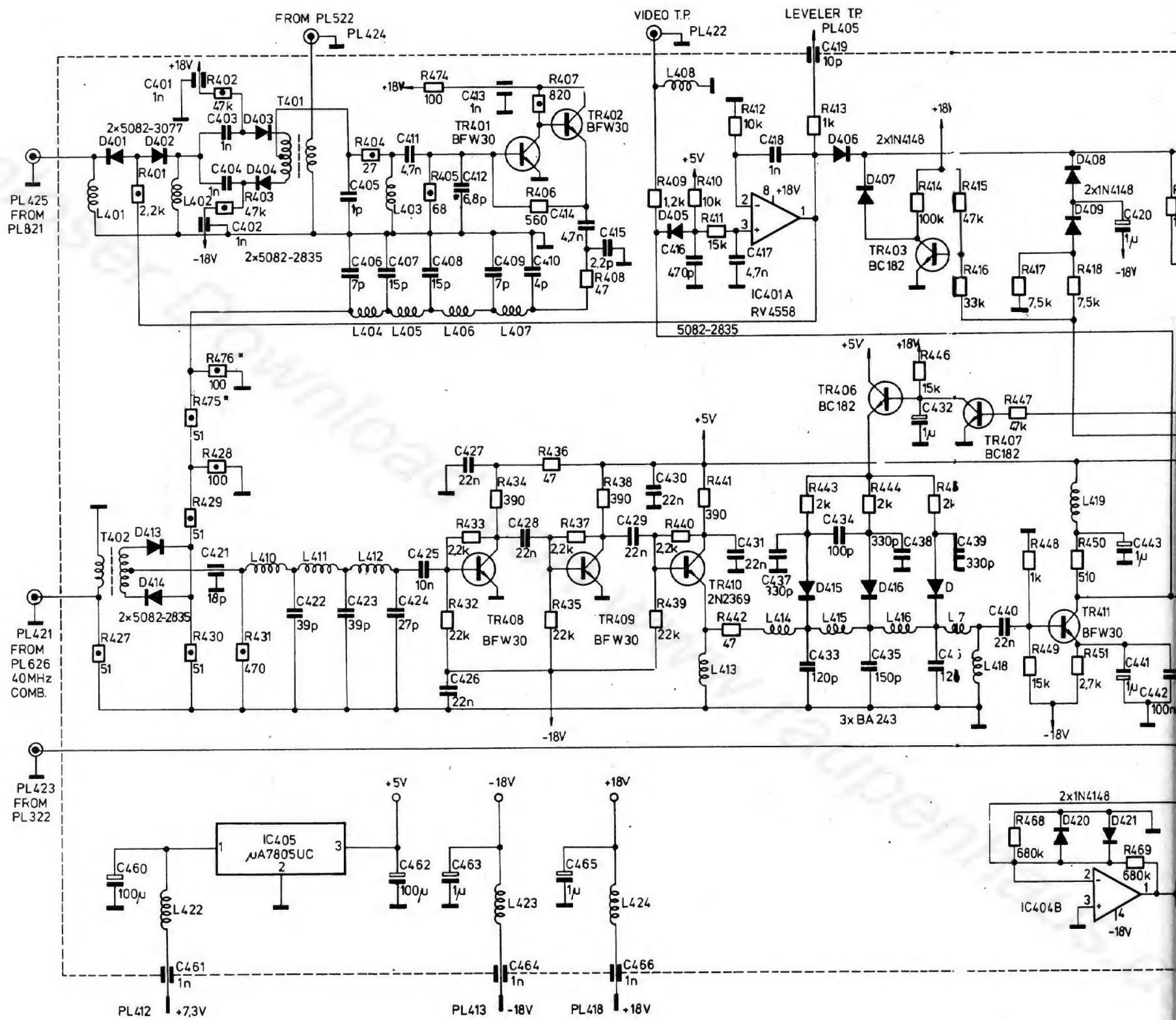
11727B





WIDE VCO LOCK

50
1172/B



R,P,C

- 1 -

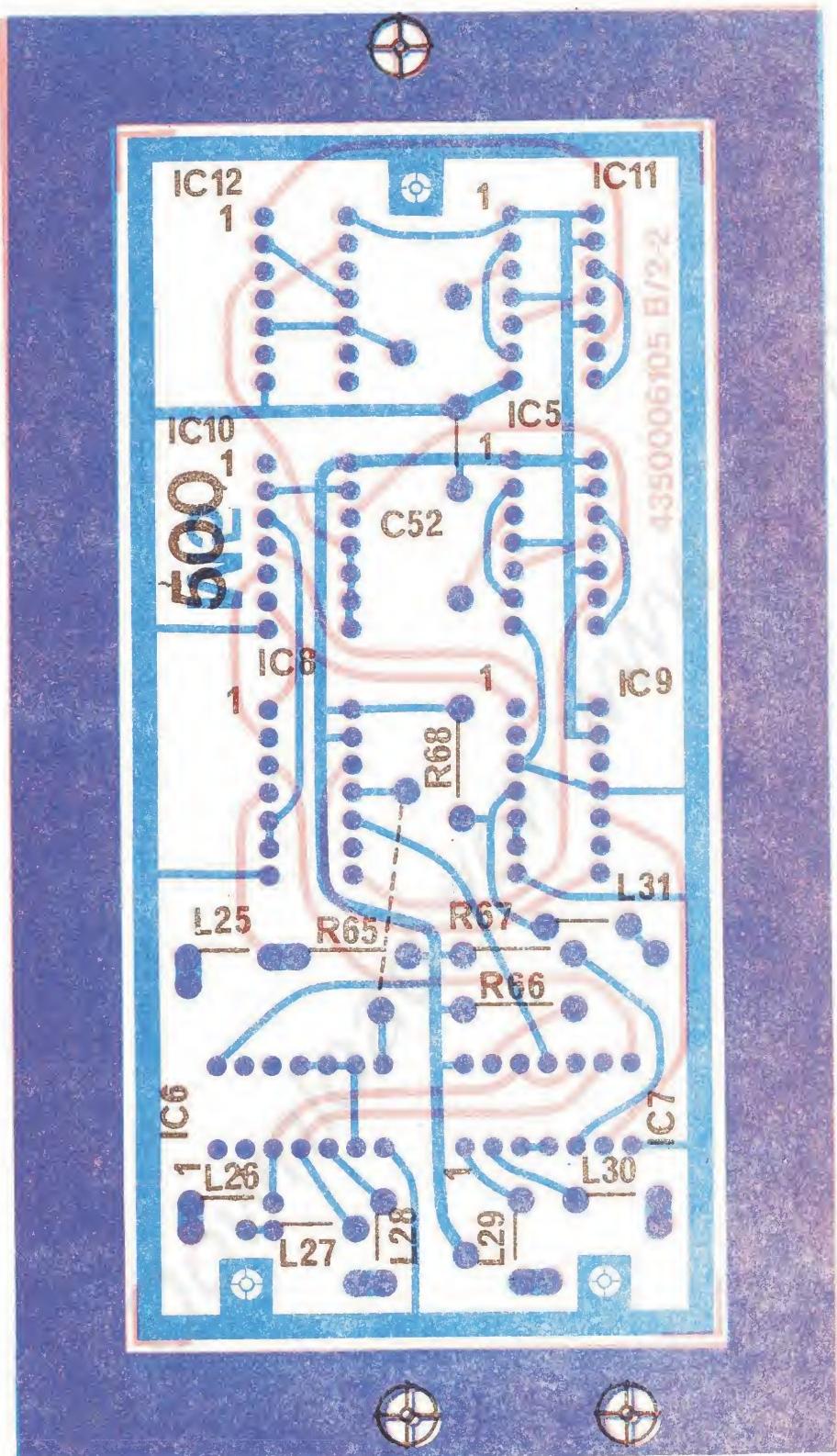
MHz STEPS PLL

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R501	68	5	0,125	R536	2,2 M	5	0,5
R502	2,2 k	5	0,125	R537	1 k	5	0,25
R503	47 k	5	0,125	R538	22 k	5	0,25
R504	47 k	5	0,125	R39	18 k	5	0,25
R505	390	5	0,25	R540	150 k	5	0,25
R506	82	5	0,125	R541	WKC 50-60 TESLA		
R507	560	5	0,125	R542	100 k	5	0,25
R508	820	5	0,125	R543	2,2 k	5	0,25
R509	47	5	0,125	R544	3,3 k	5	0,25
R510	68	5	0,125	R545	10 k	5	0,25
R511	560	5	0,125	R546	12 k	5	0,25
R512	820	5	0,125	R547	27 k	5	0,25
R513	100	5	0,125	R548	20 k	5	0,25
R514	1 k	5	0,125	R549	1,2 k	5	0,25
R515	15 k	5	0,125	R550	12 k	5	0,25
R516	1,5 k	5	0,125	R551	10 k	5	0,25
R517	100 k	5	0,125	R552	47 k	5	0,25
R518	370	0,5	0,9	R553	10 k	5	0,25
R519	1,2 k	5	0,125	R554	100 k	5	0,25
R520	33	5	0,125	R555	220 k	5	0,25
R521	470	5	0,125	R556	100 k	5	0,25
R522	4,7 k	5	0,125	R557	220 k	5	0,25
R523	10 k	5	0,125	R558	1,8 k	5	0,25
R524	2,2	5	0,25	R559	15 k	5	0,25
R525	820	5	0,125	R560	1 k	5	0,25
R526	18 k	5	0,125	R561	10 k	5	0,25
R527	10 k	5	0,125	R562	560 k	5	0,25
R528	4,7 k	5	0,125	R563	150 k	5	0,25
R529	1 k	5	0,25	R564	15 k	5	0,25
R530	10 k	5	0,125	R565	8,2 k	5	0,25
R531	4,7 k	5	0,125	R566	8,2 k	5	0,25
R532	1 k	5	0,25	R567	8,2 k	5	0,25
R533	15 k	5	0,25	R568	8,2 k	5	0,25
R534	22 k	5	0,25	R570	12 k	5	0,25
R535	22 k	5	0,25				

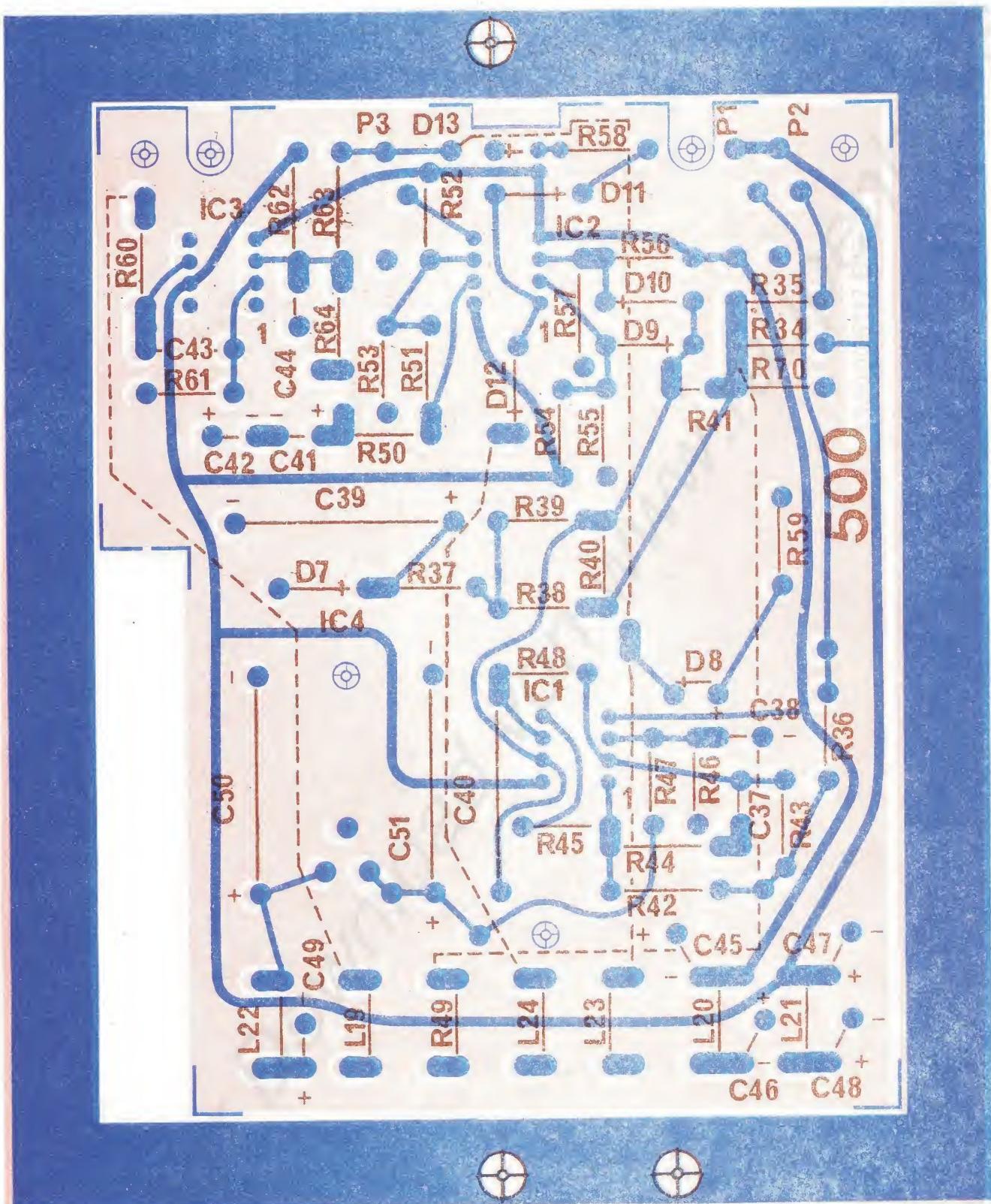
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No	Ω/F	%	W/V	No	Ω/F	%	W/V
P501	47 k	10	0,5	C531	0,5p	0,25p	500
P502	22 k	10	0,5	C532	0,5p	0,25p	500
P503	22 k	10	0,5	C533	470 p	+50-20	350
				C534	4 p	0,5 p	500
C501	1 n	10	50	C535	4 p	0,5 p	500
C502	1 n	10	50	C536	470 p	+50-20	350
C503	470 p	+50-20	350	C537	47 n	+20	50
C504	470 p	+50-20	350	C538	1 u		35
C505	1,1 p	0,25p	500	C539	10 u		25
C506	1 n	20	500	C540	150 n	10	100
C507	1 u		35	C541	1 u		35
C508	470 p	20	500	C542	1 u		35
C509	10 n	+80-20	40	C543	1 n	20	500
C510	1 u		35	C544	4,7 n	+80-20	40
C511	470 p	20	500	C545	1 u		35
C512	10 n	+80-20	40	C546	1 u		35
C513	1 u		35	C547	1 u		35
C514				C548	1 u		35
C515	150 p	20	500	C549	1 u		35
C516	68 p	5	500	C550	100 u		25
C517	68 p	5	500	C551	100 u		25
C518	1 u		35	C552	47 n	+50-20	40
C519	1 u		35	C553	1 n	+50-20	350
C520	470 p	20	500	C554	1 n	+50-20	350
C521	470 p	20	500	C555	1 n	+50-20	350
C522	1 u		35	C556	1 n	+50-20	350
C523	0,5 p	0,25p	500	C557	1 n	+50-20	350
C524	470 p	+50-20	350	C558	1 n	+50-20	350
C525	0,5 p	0,25p	500	C559	1 n	+50-20	350
C526	22 p	10	500	C560	1 n	+50-20	350
C527	0,75 p	0,25p	500	C561	470 p	+50-20	350
C528	120 p	10	350	C562	470 p	+50-20	350
C529	120 p	10	350	C563	47 p	+50-20	350
C530	470 p	+50-20	350	C564	470 p	+50-20	350
				C565	1 n	+50-20	350
				C566	1 n	+50-20	350

No		No	
D501	50823077	L501	7260000904
D502	50823077		
D503	50822835	L503	7240000028
D504	50822835	L504	7240000034
D505	50822800	L505	7240000030
D506	KB205B	L506	7240000030
D507	1N4148	L507	7240000029
D508	CQY40L	L508	7240000029
D509	1N4148	L509	7240000028
D510	1N4148	L510	7240000030
D511	1N4148	L511	7240000031
D512	1N4148	L512	7240000030
D513	VQAI31B	L513	7240000028
		L514	4350006118
TR501	BFW30	L515	
TR502	BFW30	L516	
TR503	BFW30	L517	
TR504	BFW30	L518	7240000030
TR505	BFW30	L519	7240000030
TR506	BFW30	L520	7240000030
TR507	BFET50A	L521	7240000030
TR508	BFET50A	L522	7240000030
		L523	7240000030
IC501	RV455SNB	L524	7240000030
IC502	RV455SNB	L525	7240000030
IC503	LM741CN	L526	7240000030
IC504	/uA7805UC	L527	7240000030
IC505	SN47S74N	L528	7240000030
IC506	7410PC	L529	7240000030
IC507	7486PC	L530	7240000030
IC508	74196PC	L531	7240000030
IC509	74196PC		
IC510	SN74H102N	T501	3861000288
IC511	SN74S74N		
IC512	MC4044P		

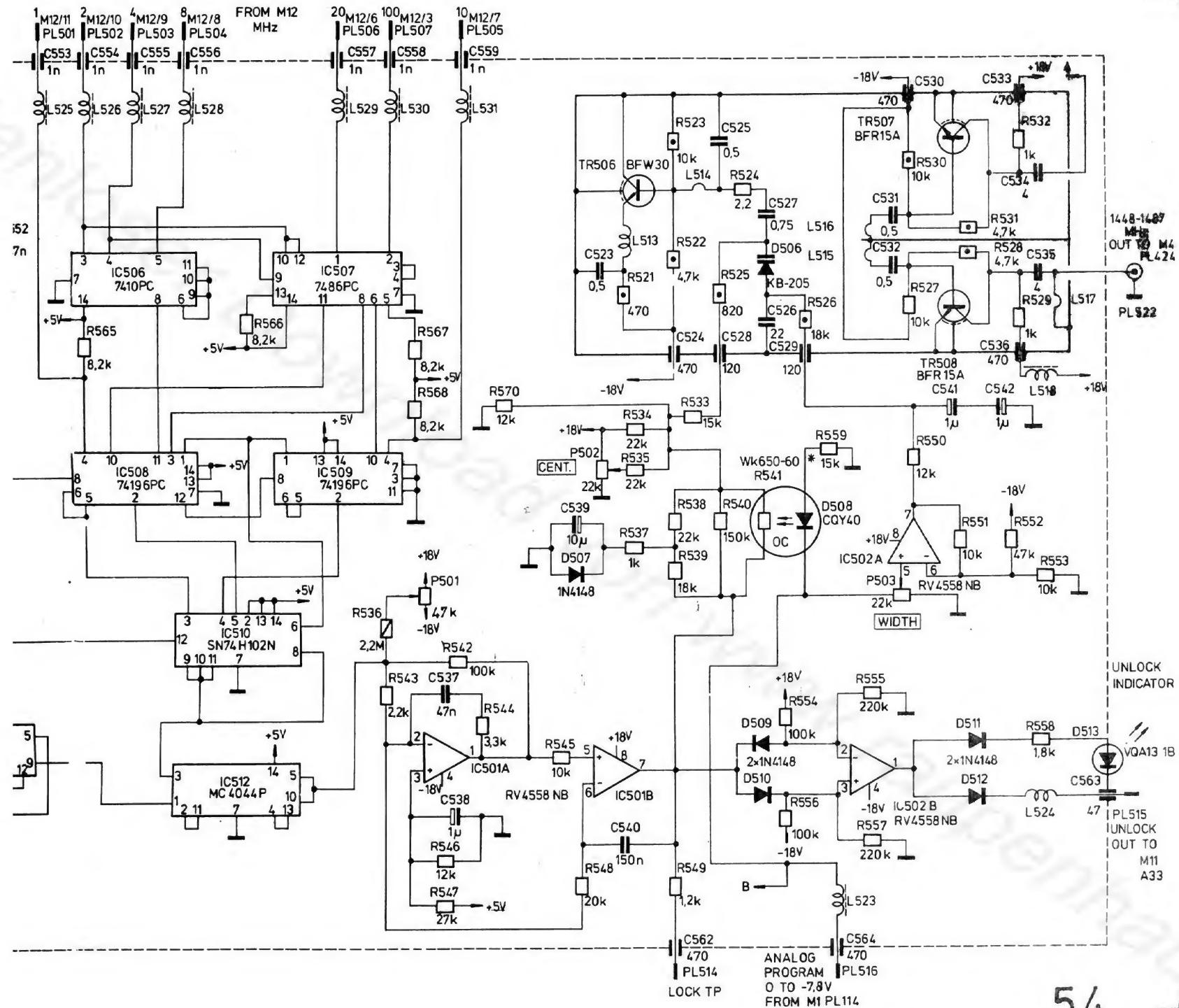


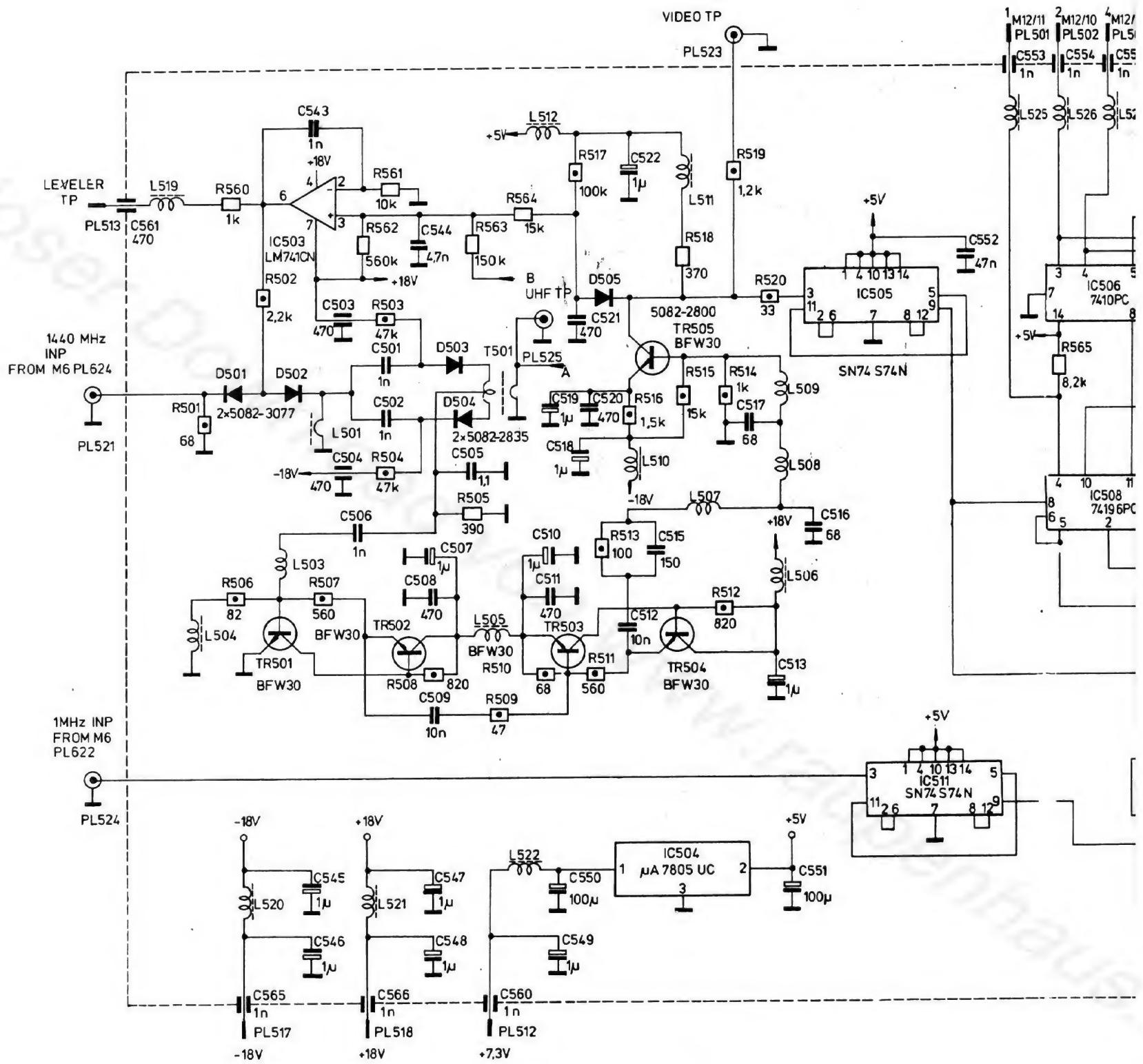
52
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1172/B

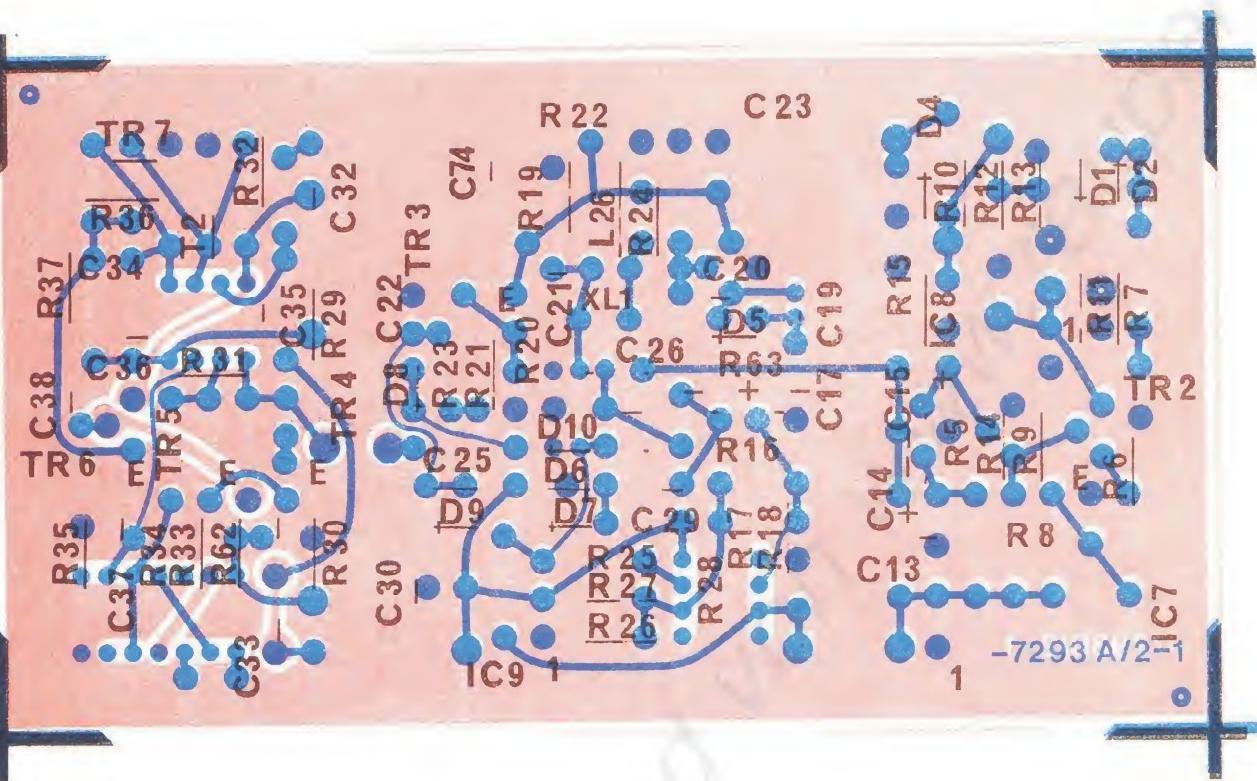




No	Ω/F	%	W/V	No	Ω/F	%	W/V
R601	1 k	5	0,25	R637	100	5	0,25
R602	390	5	0,25	R638	47	5	0,125
R603	82	5	0,25	R639	68 k	5	0,25
R604	1,8 k	5	0,25	R640	22 k	5	0,25
R605	10 k	5	0,25	R641	2,2 k	5	0,25
R606	10 k	5	0,25	R642	10 k	5	0,25
R607	47 k	5	0,25	R643	10 k	5	0,25
R608	2,7 k	5	0,25	R644	22	5	0,125
R609	10 k	5	0,25	R645	47	5	0,125
R610	220 k	5	0,25	R646	1 k	5	0,25
R611	220 k	5	0,25	R647	10	5	0,125
R612	110 k	5	0,25	R648	10 k	5	0,25
R613	110 k	5	0,25	R649	10 k	5	0,25
R614	100 k	5	0,25	R650	22	5	0,125
R615	1,8 k	5	0,25	R651	47	5	0,125
R616	15 k	5	0,25	R652	1 k	5	0,25
R617	39,2	1	0,9	R653	82	5	0,25
R618	15 k	1	0,9	R654	100	5	0,25
R619	5,11 k	1	0,9	R655	10 k	5	0,25
R620	10 k	1	0,9	R656	10 k	5	0,25
R621	2,21 k	1	0,9	R657	47	5	0,125
R622	100	5	0,25	R658	47	5	0,125
R623	2,2 k	5	0,25	R659	2,2 k	5	0,25
R624	100	5	0,25	R660	3,3 k	5	0,25
R625	4,7 k	5	0,25	R661	470	5	0,25
R626	1 k	5	0,25	R662	1,5 k	5	0,25
R627	100 k	5	0,25	R663	100 k	5	0,25
R628	470 k	5	0,25				
R629	39,2 k	1	0,9				
R630	10 k	1	0,9				
R631	2 k	5	0,25				
R632	100	5	0,25				
R633	2 k	5	0,25				
R634	2 k	5	0,25				
R635	220	5	0,25				
R636	10	5	0,25				

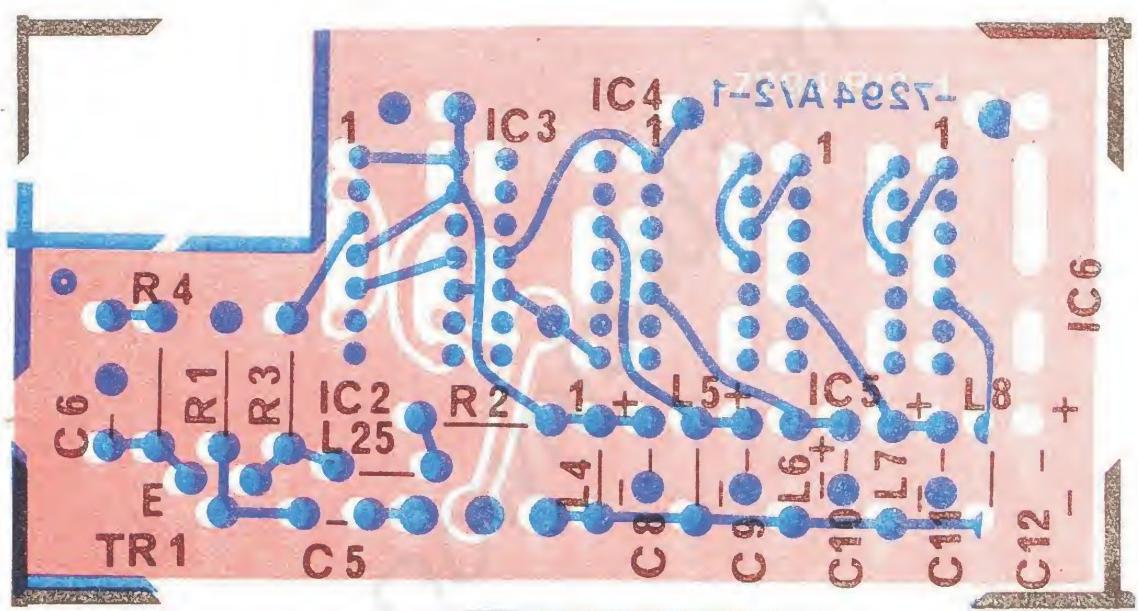
No	Ω/F	%	W/V	No	Ω/F	%	W/V
C601	1 n	+50-20	350	C637	22 n	+80-20	40
C602	1 n	+50-20	350	C638	15 p	5	500
C603	1 n	+50-20	350	C639	2,2 p	0,25p	500
C604	100 u		25	C640	1 n	+50-20	350
C605	180 p	20	350	C641	5 p	0,25p	500
C606	22 n	+80-20	40	C642	1 n	+50-20	350
C607	100 u		25	C643	1 p	0,25p	500
C608	0,47 u		35	C644	4,5-20 p		160
C609	0,47 u		35	C645	0,5 p	0,25p	500
C610	0,47 u		35	C646	4,5-20 p		160
C611	0,74 u		35	C647	0,5 p	0,25p	500
C612	0,47 u		35	C648	1 p	0,25p	500
C613	100 n	+20	100	C649	4,5-20 p		160
C614	10 u		35	C650	1 n	+50-20	350
C615	10 u		35	C651	4,5-20 p		160
C616	47 p	10	350	C652	27 p	5	500
C617	10 u		35	C653	4,5-20 p		160
C618	10 u		35	C654	1 n	+50-20	350
C619	1 n	+20	160	C655	1 n	+50-20	350
C620	10 p	0,5p	160	C656	4,5-20 p		160
C621	47 p	5	160	C657	47 p	10	500
C622	470 p	5	50	C658	10 p	0,5p	160
C623	2,1-13,3p		500	C659	1 n	+50-20	350
C624	33 p	10	160	C660	0,5-3 p		250
C625	4,7 n	+80-20	160	C661	10 p	0,5p	500
C626	180 p	5	50	C662	10 p	0,5p	500
C627	22 p	5	160	C663	0,5-3p		250
C628	470 p	5	50	C664	0,75 p	0,25p	500
C629	100 n	20	100	C665	1 n	+50-20	350
C630	100 n	20	100	C666	10 p	0,5p	160
C631	120 p	20	350	C667			
C632	100 n	20	100	C668	47 p	10	350
C633	100 n	20	100				
C634	4,5-20 p		160				
C635	1 n	20	160				
C636	4 p	0,25p	500				

No		No	
D601	1N4148	L608	7240000030
D602	1N4148	L609	7240000030
D603	VQA131B	L610	7250000035
D604	1N4148	L611	7240000028
D605	KB205B	L612	7240000028
D606	1N4148	L613	7240000028
D607	1N4148	L614	7240000028
D608	BA379	L615	7240000029
D609	1N4148	L616	7240000028
D610	50822800	L617	7240000028
D611	1N4148	L618	
		L619	
TR601	2N3904	L620	
TR602	BC182	L621	
TR603	BFY90	L622	
TR604	2N5179	L623	UF100 0,1
TR605	2N3904	L624	UF100 0,1
TR606	2N3904	L625	7240000031
TR607	BFW30	L626	7240000033
TR608	BFY90	L627	7240000031
TR609	BFY90	L628	7240000030
TR610	BFY90		
TR611	BFW30	T602	3861000291
TR612	BFW30		
TR613	BFW30	IC601	uA7805UC
		IC602	MH74S74
L601	7240000030	IC603	7490PC
L602	7240000030	IC604	7490PC
L603	7240000030	IC605	7490PC
L604	7240000030	IC606	7490PC
L605	7240000030	IC607	MC4044P
L606	7240000030	IC608	RV4558NB
L607	7240000030	IC609	LM741CN
		XL601	RS131 40 MHz



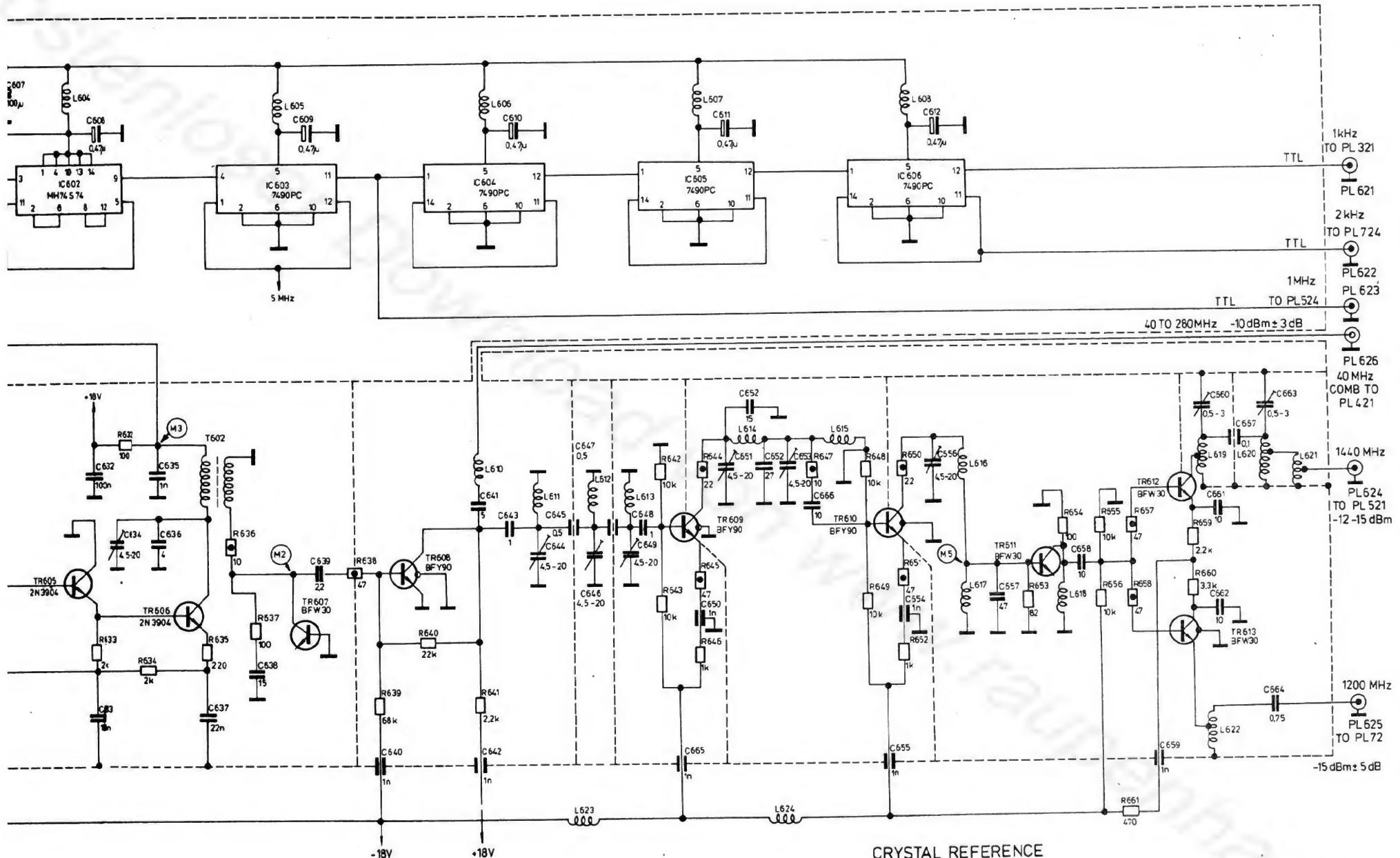
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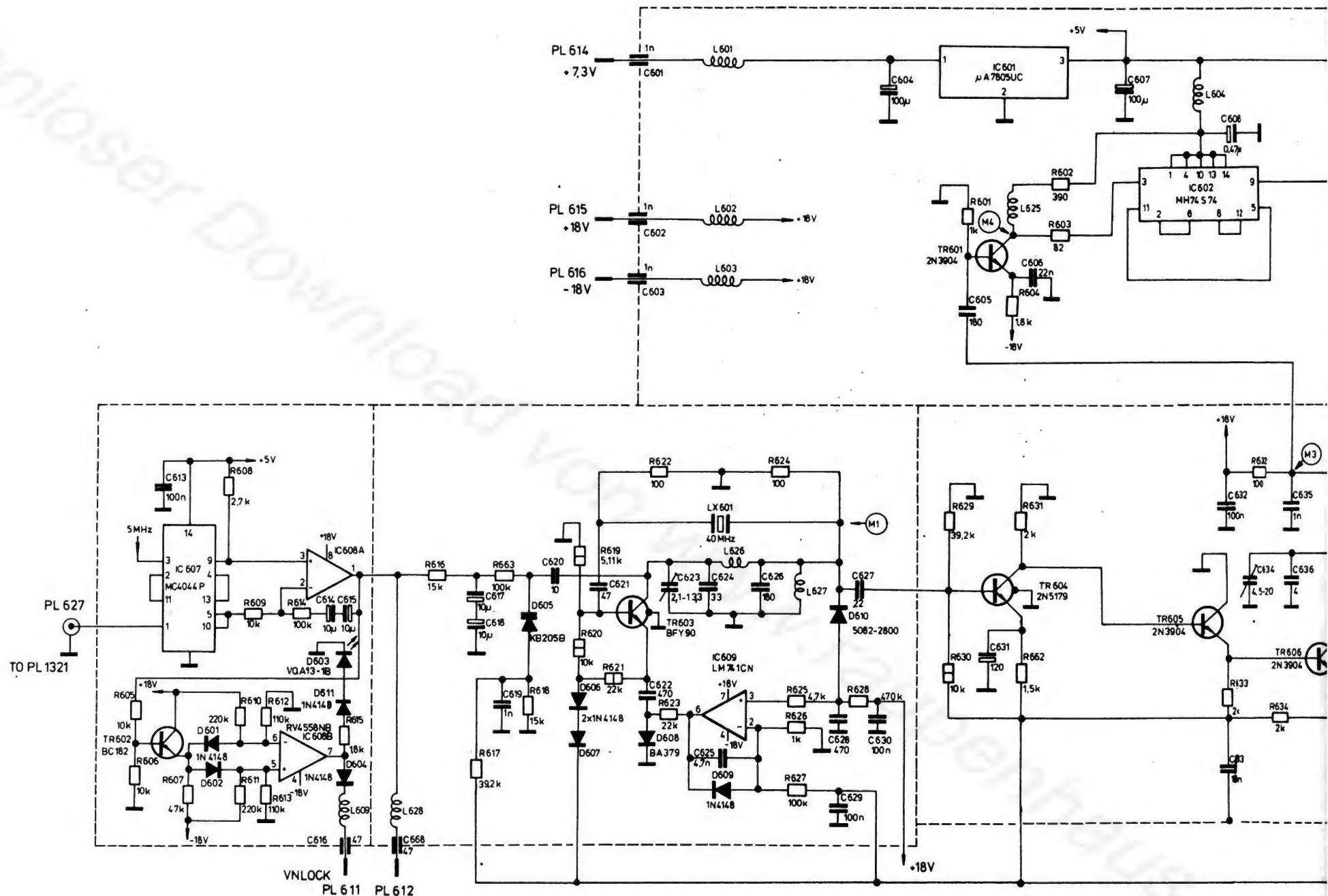


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CRYSTAL REFERENCE

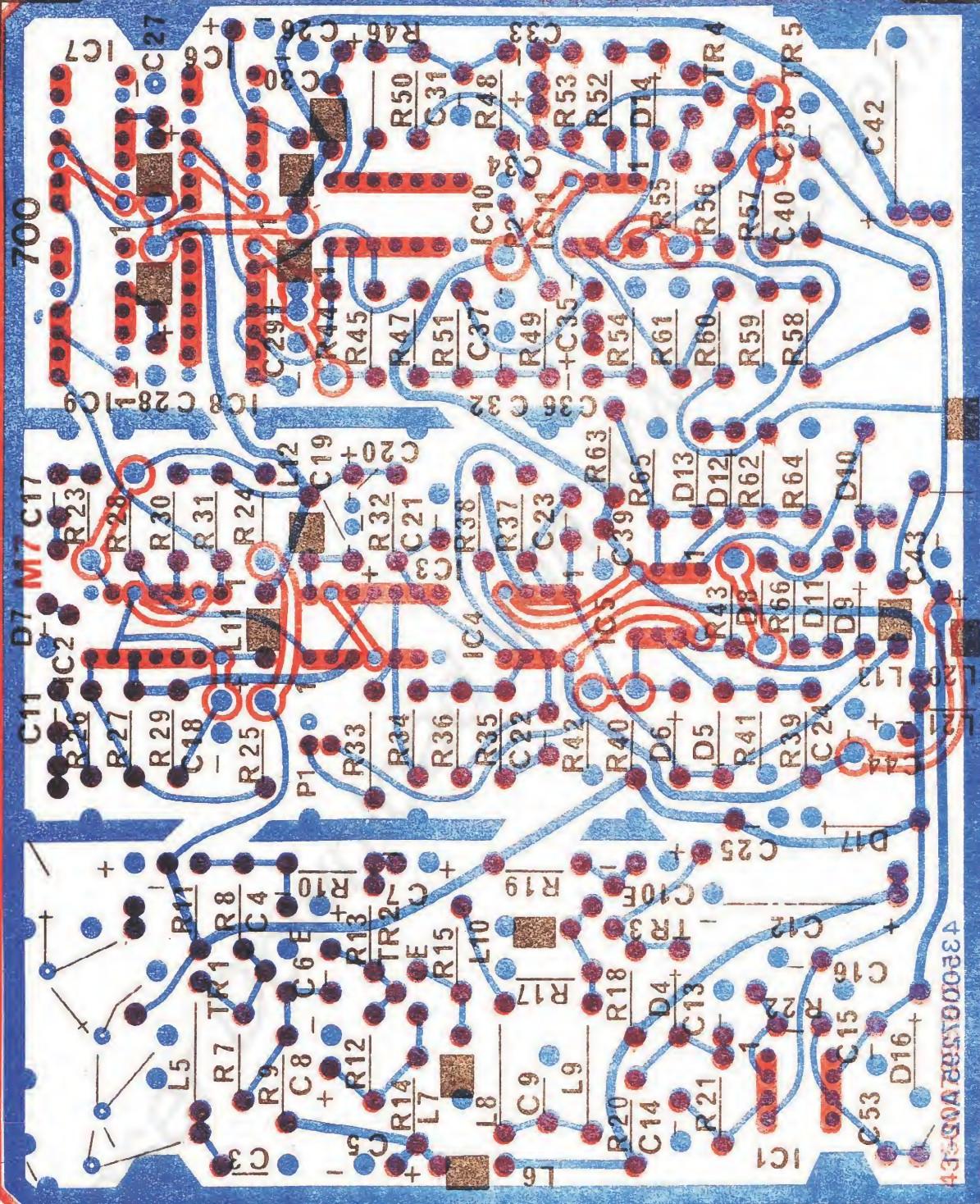


No	Ω/F	%	W/V	No	Ω/F	%	W/V
R701	56	5	0,125	R736	1,8 k	5	0,25
R702	56	5	0,125	R737	10 k	5	0,25
R703	1 k	5	0,25	R738	10 k	5	0,25
R704	2,2 k	5	0,25	R739	100 k	5	0,25
R705	56	5	0,125	R740	100 k	5	0,25
R706	47 k	5	0,25	R741	180 k	5	0,25
R707	2,2 k	5	0,25	R742	180 k	5	0,25
R708	22 k	5	0,25	R743	1,8 k	5	0,25
R709	390	5	0,25	R744	1 k	5	0,25
R710	470	5	0,25	R745	1 k	5	0,25
R711	470	5	0,25	R746	27 k	5	0,25
R712	2,2 k	5	0,25	R747	27 k	5	0,25
R713	22 k	5	0,25	R748	150 k	5	0,25
R714	390	5	0,25	R749	150 k	5	0,25
R715	47	5	0,125	R750	27 k	5	0,25
R716	1,2 k	5	0,25	R751	27 k	5	0,25
R717	300	5	0,25	R752	3,3 k	5	0,25
R718	620	5	0,25	R753	12 k	5	0,25
R719	2,7 k	5	0,25	R754	12 k	5	0,25
R720	100 k	5	0,25	R755	470 k	5	0,25
R721	15 k	5	0,25	R756	470 k	5	0,25
R722	10 k	5	0,25	R757	6,8 k	5	0,25
R723	820	5	0,25	R758	7,5 k	5	0,25
R724	33 k	5	0,25	R759	100 k	5	0,25
R725	39 k	5	0,25	R760	27 k	5	0,25
R726	1,8 k	5	0,25	R761	10 k	5	0,25
R727	27 k	5	0,25	R762	100 k	5	0,25
R728	27 k	5	0,25	R763	100 k	5	0,25
R729	1 k	5	0,25	R764	180 k	5	0,25
R730	1 k	5	0,25	R765	180 k	5	0,25
R731	1 k	5	0,25	R766	1,8 k	5	0,25
R732	2,2 k	5	0,25				
R733	2,2 k	5	0,25	P701	100 k	10	0,5
R734	2,2 k	5	0,25	P702	20 k	10	0,5
R735	2,7 k	5	0,25				

No	Ω/F	%	W/V	No	Ω/F	%	W/V
C701	3,9 p	$\pm 0,25\%$	350	C728	1 /u		35
C702	4,7 n	+80-20	160	C729	1 /u		35
C703	150 p	5	500	C730	1 /u		35
C704	1 /u		35	C731	2,2 n	+50-20	500
C705	1 /u		35	C732	2,2 n	+50-20	500
C706	4,7 n	+80-20	160	C733	10 /u		35
C707	1 /u		35	C734	10 /u		35
C708	1 /u		35	C735	10 /u		35
C709	150 p		500	C736	10 /u		35
C710	1 /u		35	C737	100 n	20	100
C711	4,7 n	+80-20	160	C738	100 n	20	100
C712	47 /u		10	C739	1 n	+50-20	500
C713	470 p	20	500	C740	100 n	20	100
C714	220 p	20	500	C741	100 /u		25
C715	1 n	+50-20	500	C742	47 /u		10
C716	100 n	20	100	C743	1 /u		35
C717	4,7 n	+80-20	160	C744	1 /u		35
C718	1 /u		35	C745	10 p	10	350
C719	1 /u		35	C746	1 n	+50-20	350
C720	1 /u		35	C747	1 n	+50-20	350
C721	1 n	+50-20	500	C748	1 n	+50-20	350
C722	47 n	20	100	C749	1 n	+50-20	350
C723	2,2 n	+50-20	500	C750	10 p	10	350
C724	1 n	+50-20	500	C751	10 p	10	350
C725	1 n	+50-20	500	C752	10 p	10	350
C726	1 /u		35	C753	100 n	20	100
C727	1 /u		35	C754	1 /u		35

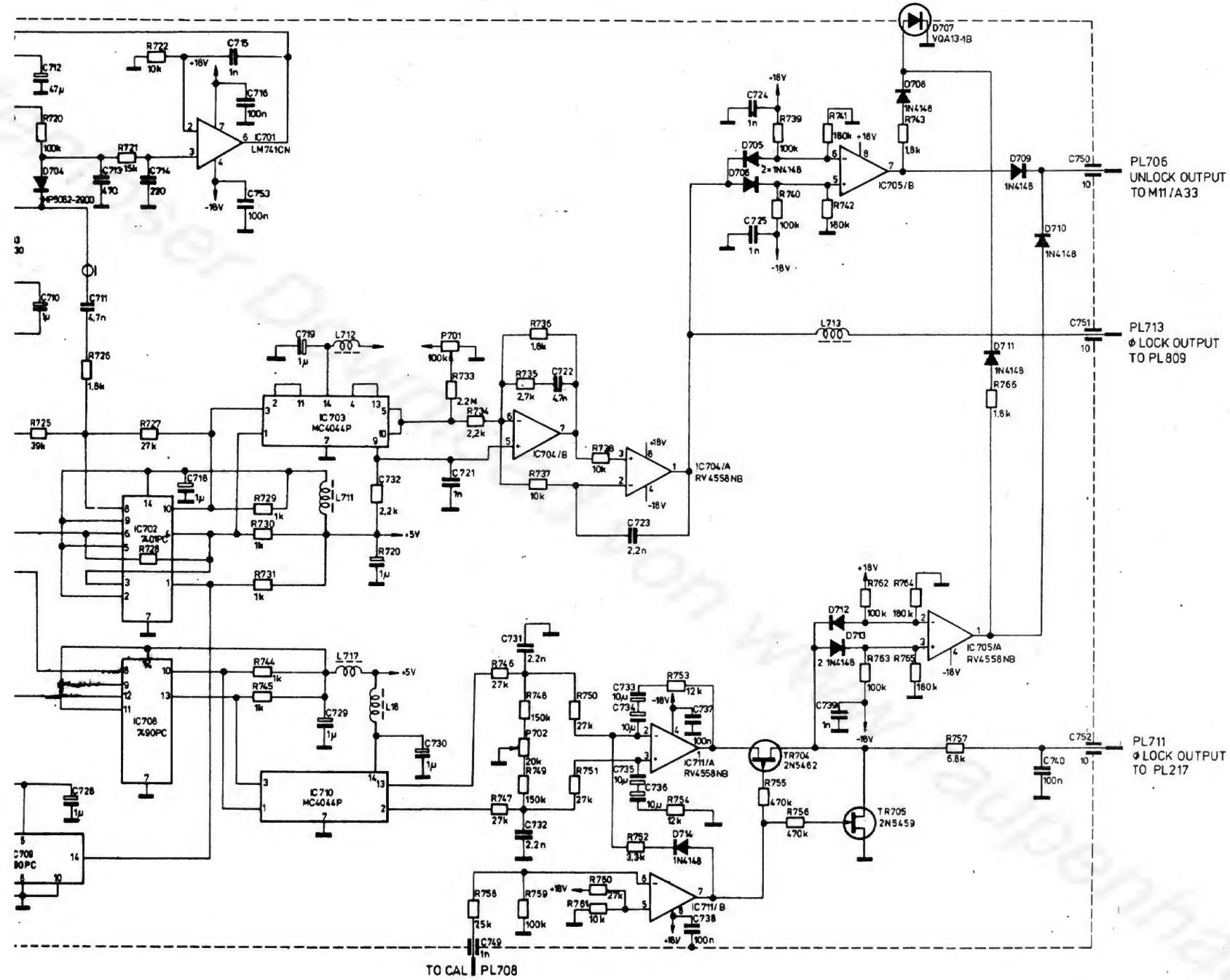
No		No	
D701	50823077	IC701	LM741CN
D702	50823077	IC702	7401PC
D703	50822835	IC703	MC4044P
D704	50822900	IC704	RV4558NB
D705	1N4148	IC705	RV4558NB
D706	1N4148	IC706	7490PC
D707	VQA1315	IC707	7490P
D708	1N4148	IC708	7490PC
D709	1N4148	IC709	SN7490PC
D710	1N4148	IC710	MC4044P
D711	1N4148	IC711	RV4558NB
D712	1N4148	IC712	TA7805UC
D713	1N4148	L701	
D714	1N4148	L702	
D715	1N4148	L703	7250000034
D716	1N4001	L704	7240000032
D717	1N4001	L705	7240000032
TR701	2N2369A	L706	7240000030
TR702	2N2369A	L707	7240000030
TR703	BFW30	L708	7240000032
TR704	2N5462	L709	7240000032
TR705	2N5459	L710	7240000032
		L711	7240000030
		L712	7240000030
		L713	7240000030
		L714	
		L715	7240000030
		L716	7240000030
		L717	7240000030
		L718	7240000030
		L719	7240000030
		L720	7240000030
		L721	7240000030

700

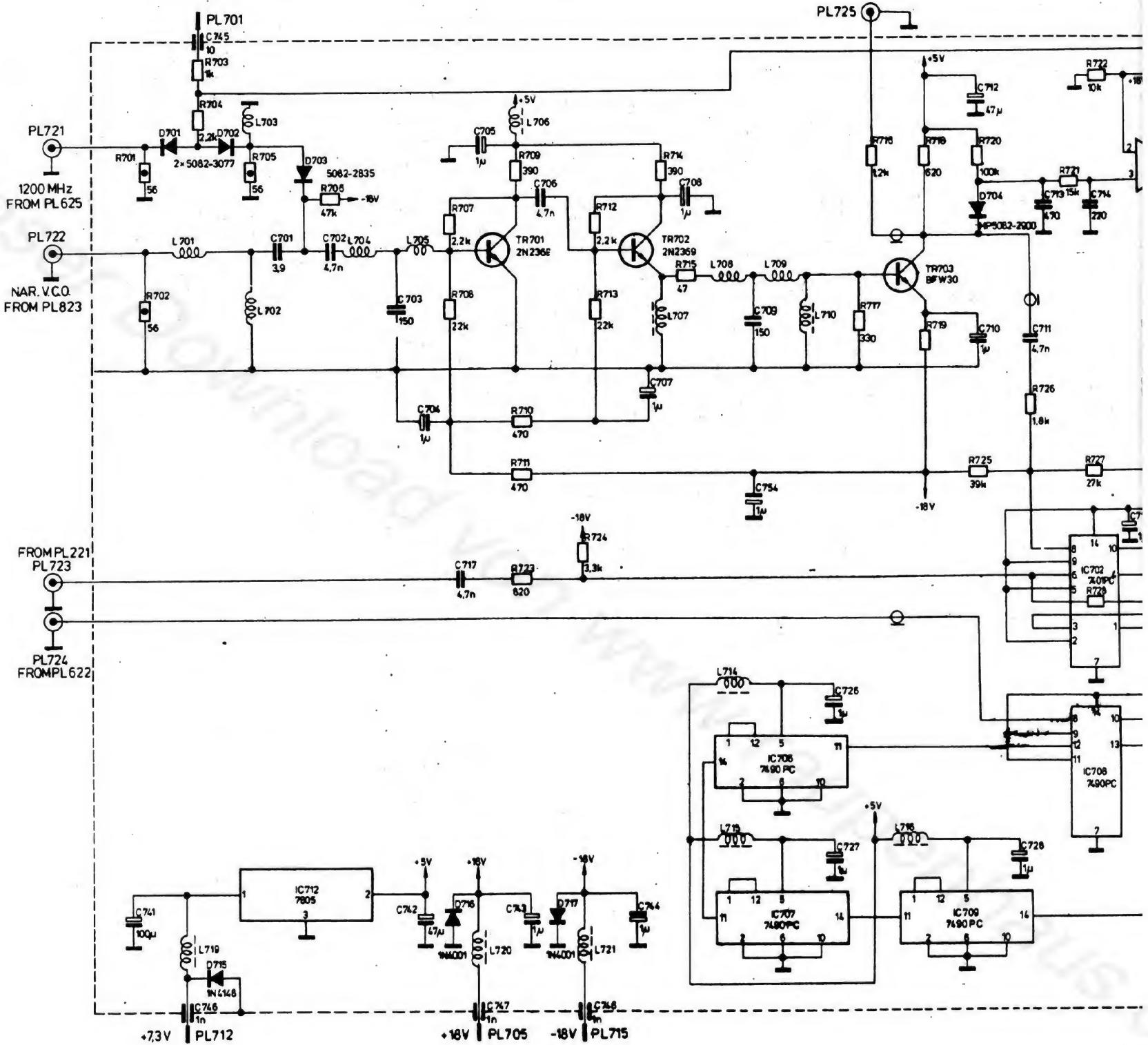


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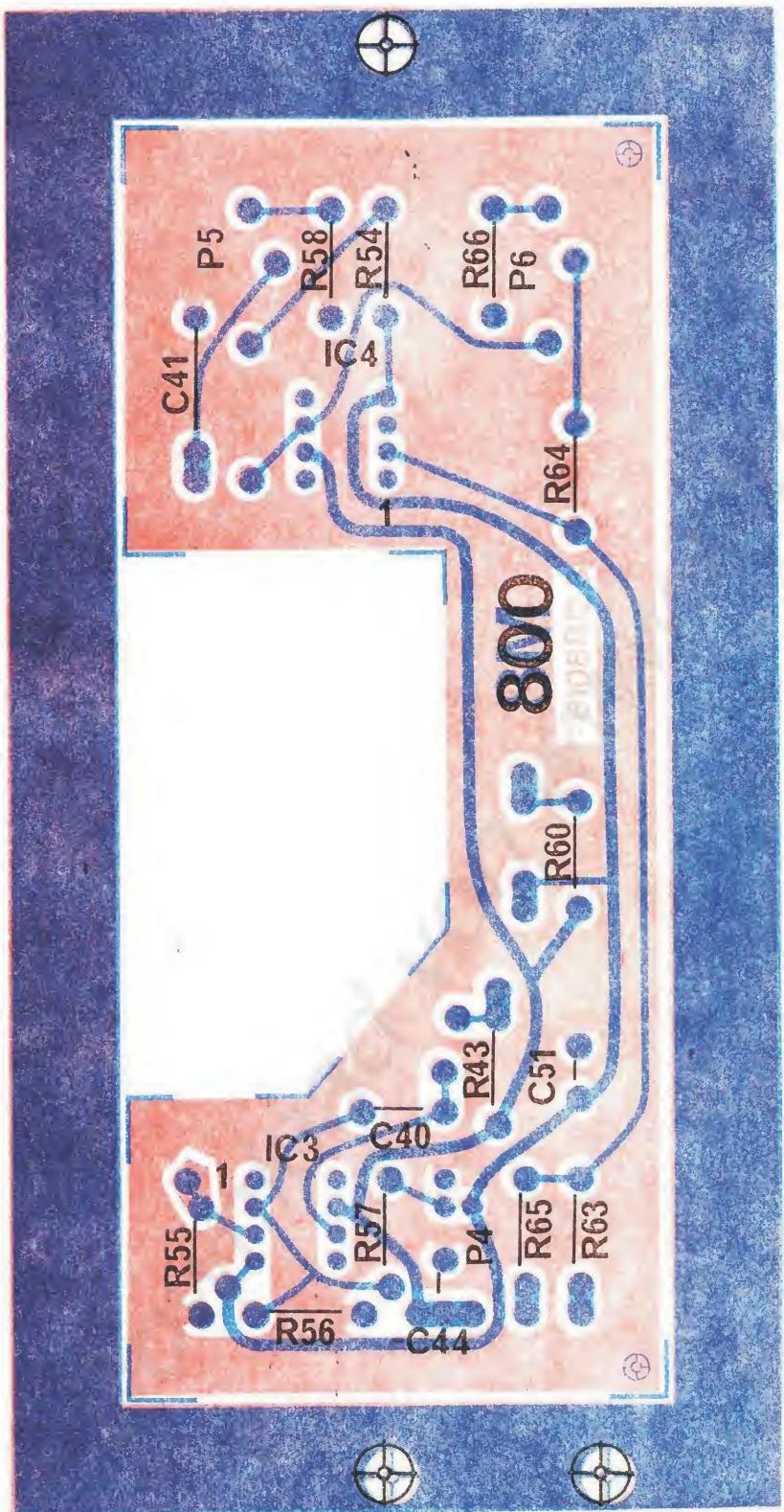
NARROW VCO LOCK



No	Ω/F	%	W/V	No	Ω/F	%	W/V
R801	560	5	0,25	R835	39 k	5	0,25
R802	4,7 k	5	0,25	R836	47	5	0,125
R803	10 k	5	0,25	R837	4,7 k	5	0,125
R804	470	5	0,125	R838	470	5	0,125
R805	680	5	0,25	R839	47	5	0,125
R806	4,7 k	5	0,125	R840	220	5	0,125
R807	8,2 k	5	0,125	R841	100	5	0,125
R808	1 k	5	0,125	R842	330	5	0,25
R809	1 k	5	0,125	R843	560	5	0,25
R810	470	5	0,125	R844	4,7 k	5	0,25
R811	10	5	0,25	R845	10 k	5	0,25
R812	100	5	0,25	R846	47	5	0,125
R813	12 k	5	0,25	R847	2,2 k	5	0,25
R814	47	5	0,125	R848	470	5	0,125
R815	2,2 k	5	0,25	R849	150	5	0,5
R816	2,2 k	5	0,25	R850	4,7 k	5	0,125
R817	10 k	5	0,25	R851	3,9 k	5	0,125
R818	10 k	5	0,25	R852	5,6 k	5	0,125
R819	470 k	5	0,25	R853	470	5	0,125
R820	47 k	5	0,25	R854	4,7 k	5	0,25
R821	330	5	0,25	R855	10 k	5	0,25
R822	47	5	0,125	R856	10 k	5	0,25
R823	2,2 k	5	0,25	R857	100 k	5	0,25
R824	2,2 k	5	0,25	R858	4,7 k	5	0,25
R825	5,1 M	5	0,5	R859	47	5	0,125
R826	5,1 M	5	0,5	R860	560	5	0,25
R827	560	5	0,25	R861	4,7 k	5	0,25
R828	4,7 k	5	0,25	R862	10 k	5	0,25
R829	10 k	5	0,25	R863	51 k	5	0,25
R830	10 k	5	0,25	R864	2,2 k	5	0,25
R831	10 k	5	0,25	R865	100 k	5	0,25
R832	470 k	5	0,25	R866	1,2 k	5	0,25
R833	8,2 k	5	0,25	R867	330	5	0,125
R834	12 k	5	0,25				

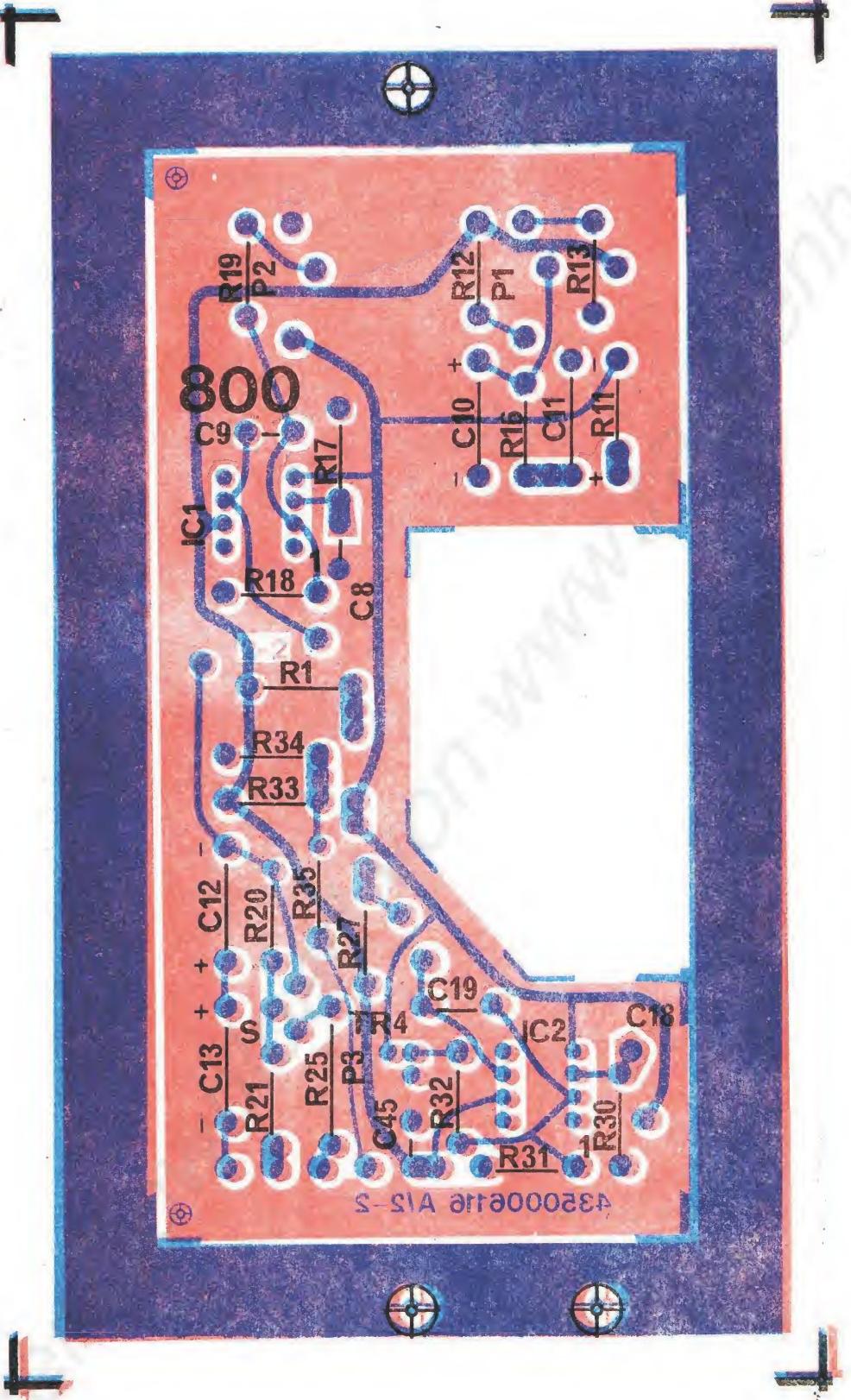
No	Ω/F	%	W/V	No	Ω/F	%	W/V
P801	4,7 k	10	0,5	C826	470 n	+50-20	50
P802	22 k	10	0,5	C827	470 n	+50-20	50
P803	20 k	10	0,5	C828	2,2 p	+0, 25p	500
P804	20 k	10	0,5	C829	470 p	+50-20	350
P804	4,7 k	10	0,5	C830	1 p	+0, 25p	500
P806	22 k	10	0,5	C831	12 p	+10	350
				C832	5 p	+10	350
C801	12 p	+10	350	C833	1 p	+0, 25p	50
C802	120 p	+50-20	500	C834	56 p	+10	350
C803	56 p	+10	350	C835	12 p	+10	350
C804	12 p	+10	350	C836	0,9 p	+0, 25p	500
C805	12 p	+10	350	C837	470 p	+50-20	350
C806	56 p	+10	350	C838	56 p	+10	350
C807	56 p	+10	350	C839	120 p	5	100
C808	120 p	5	100	C840	150 p	20	500
C809	22 n	+80-20	40	C841	1 u	5	50
C810	1 u	5	50	C842	12 p	+10	350
C811	1 u	5	50	C843	10 p	10	350
C812	1 u	5	50	C844	220 n	+10	50
C813	1 u	5	50	C845	220 n	+10	50
C814	10 p	10	350	C846	1 u		63
C815	470 p	+50-20	350	C847	1 u		63
C816	12 p	10	350	C848	10 p	10	350
C817	47 p	10	350	C849	1 n	+50-20	350
C818	120 p	5	100	C850	1 n	+50-20	350
C819	150 p	20	500	C851	220 n	+10	50
C820	10 p	10	350	C852	2,2 p	+0, 25p	500
C821	1 u		63	C853	2,2 p	+0, 25p	500
C822	470 p	+50-20	350	C854	2,2 p	+0, 25p	500
C823	2,2 p	+0, 25p	500				
C824	470 n	+50-20	50				
C825	2,2 p	+0, 25p	500				

No		No	
D801	1N82AG	L801	7250000034
D802	50823077	L802	7240000028
D803	KB205B	L803	7240000028
D804	KB205B	L804	
D805	KB205B	L805	7240000028
D806	KB205B	L806	7240000028
D807	1N82AG	L807	
D808	50823077	L808	7240000030
D809	ZPD6,8	L809	7240000030
D810	50822080	L810	7250000034
D811	50822080	L811	7240000028
D812	50822080	L812	
D813	50822080	L813	7240000030
D814	1N82AG	L814	
D815	50823077	L816	
D816	KB205B	L817	7250000034
TR801	BFW30	L818	7240000028
TR802	BFR15A	L819	
TR803	BFR15A	L820	7240000028
TR804	BF245A	L821	
TR805	2N5179	L822	4350006114
TR806	BFR15A	L823	
TR807	BFR15A	L824	7240000028
TR808	BFR15A	L825	7240000030
TR809	2N5109	L826	7240000030
TR810	BFW30	L827	
		L828	
IC801	LM741CN	T801	3861000293
IC802	LM741CN	T802	3861000292
IC803	LM741CN		
IC804	LM741CN		



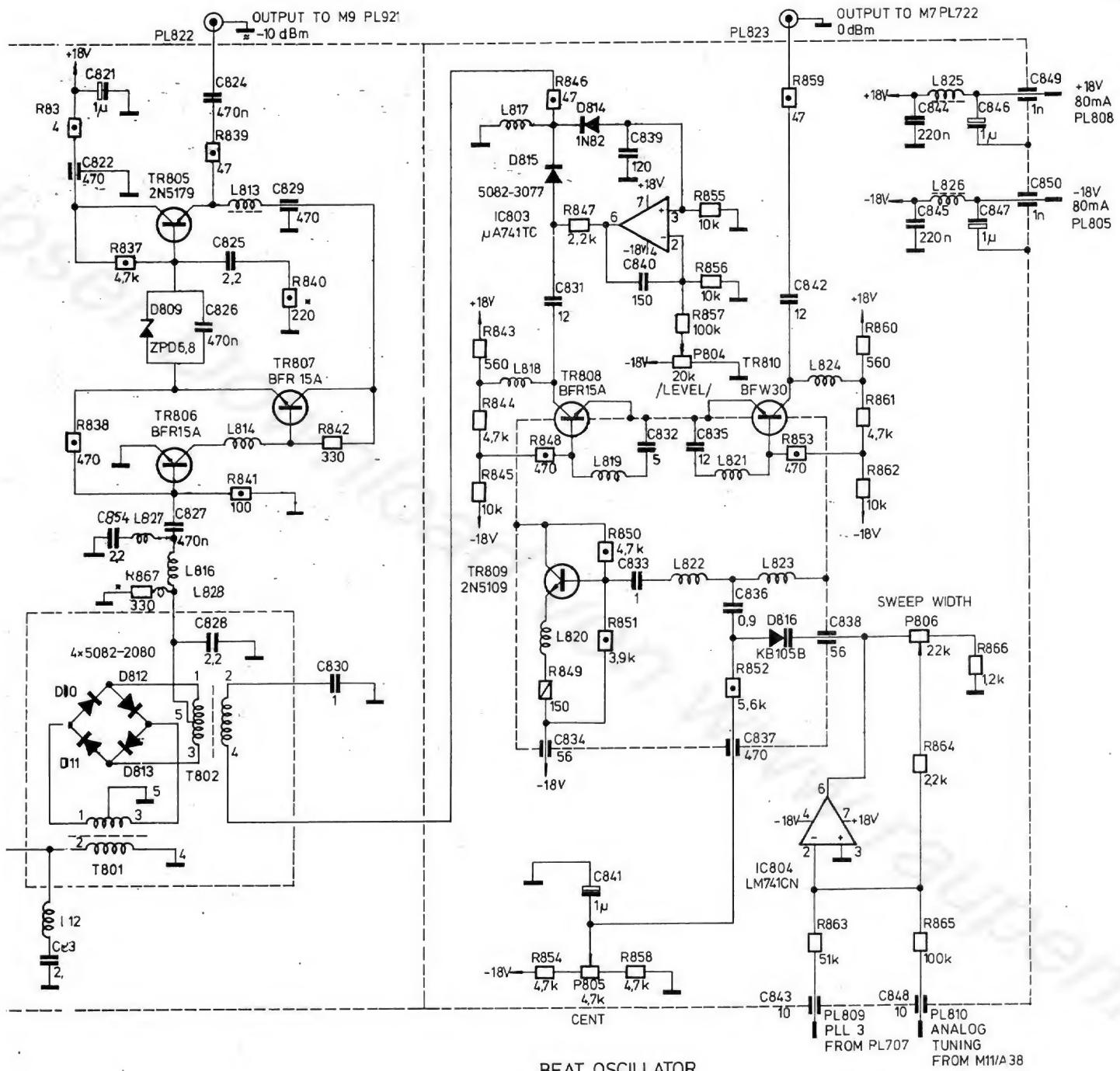
63

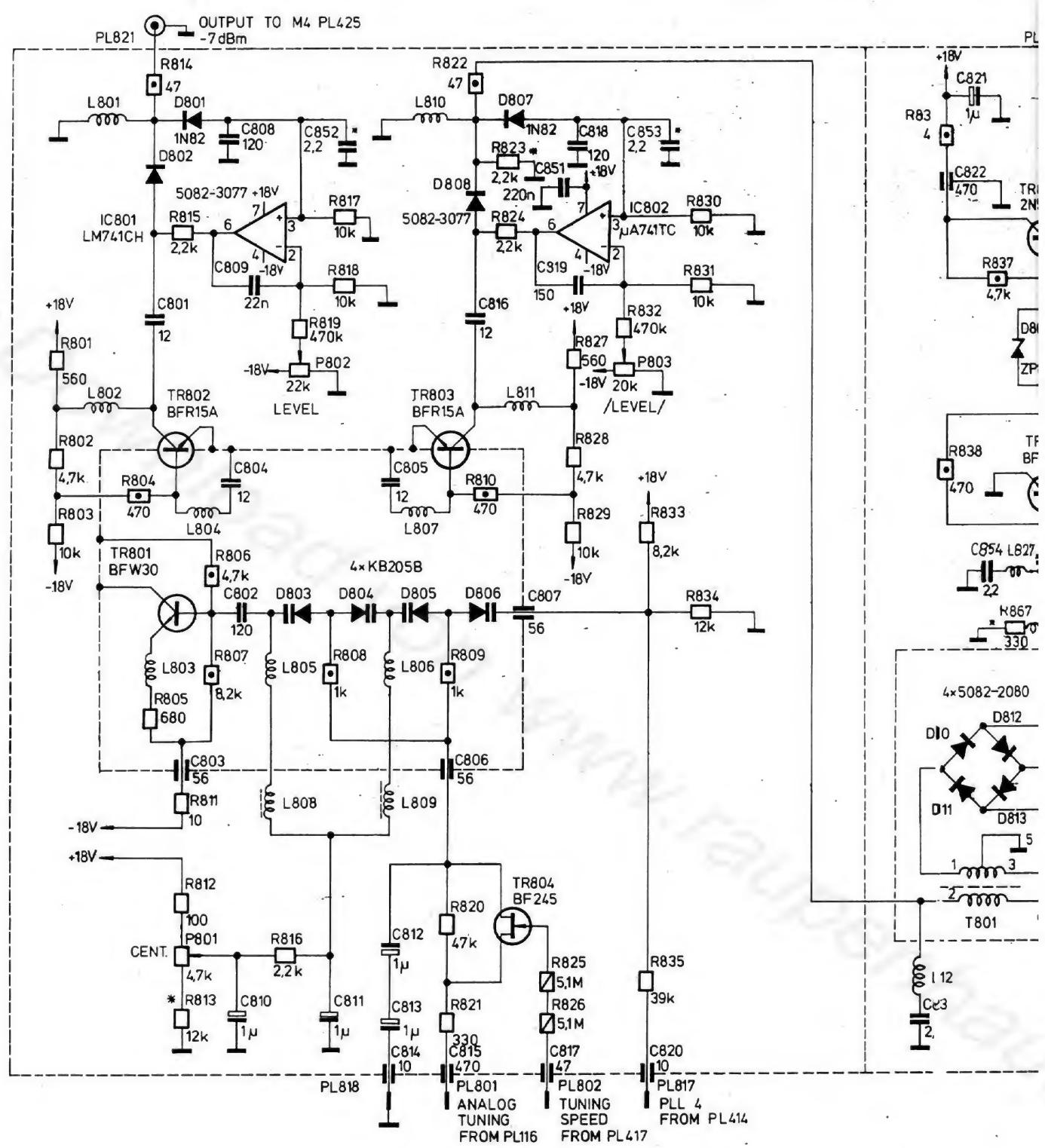
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R,P,C

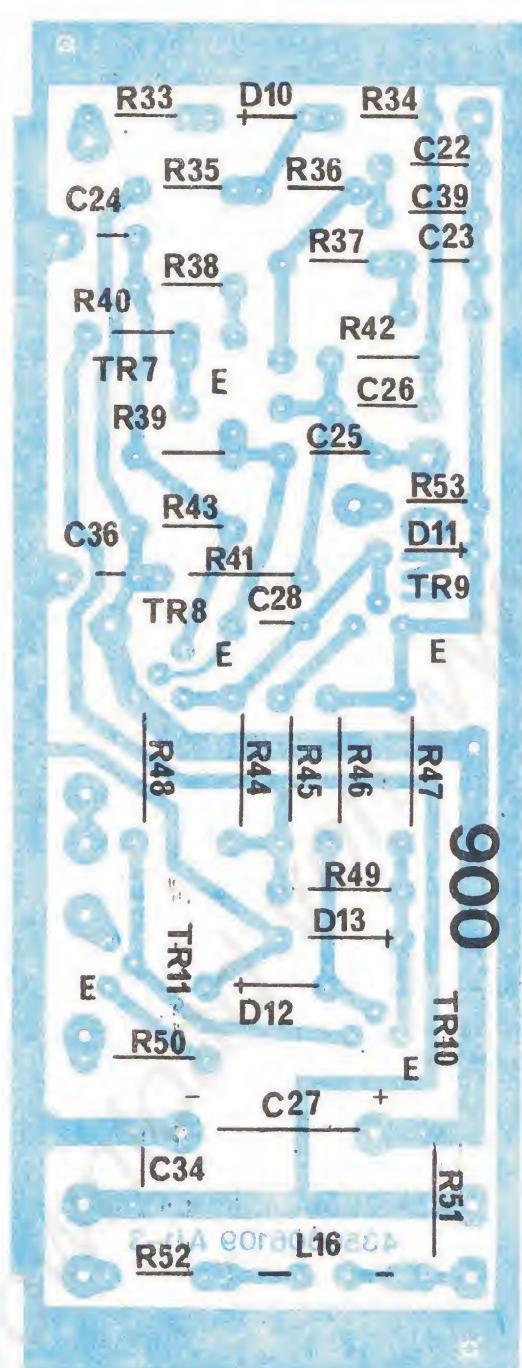
- 1 -

OUTPUT AMPLIFIER

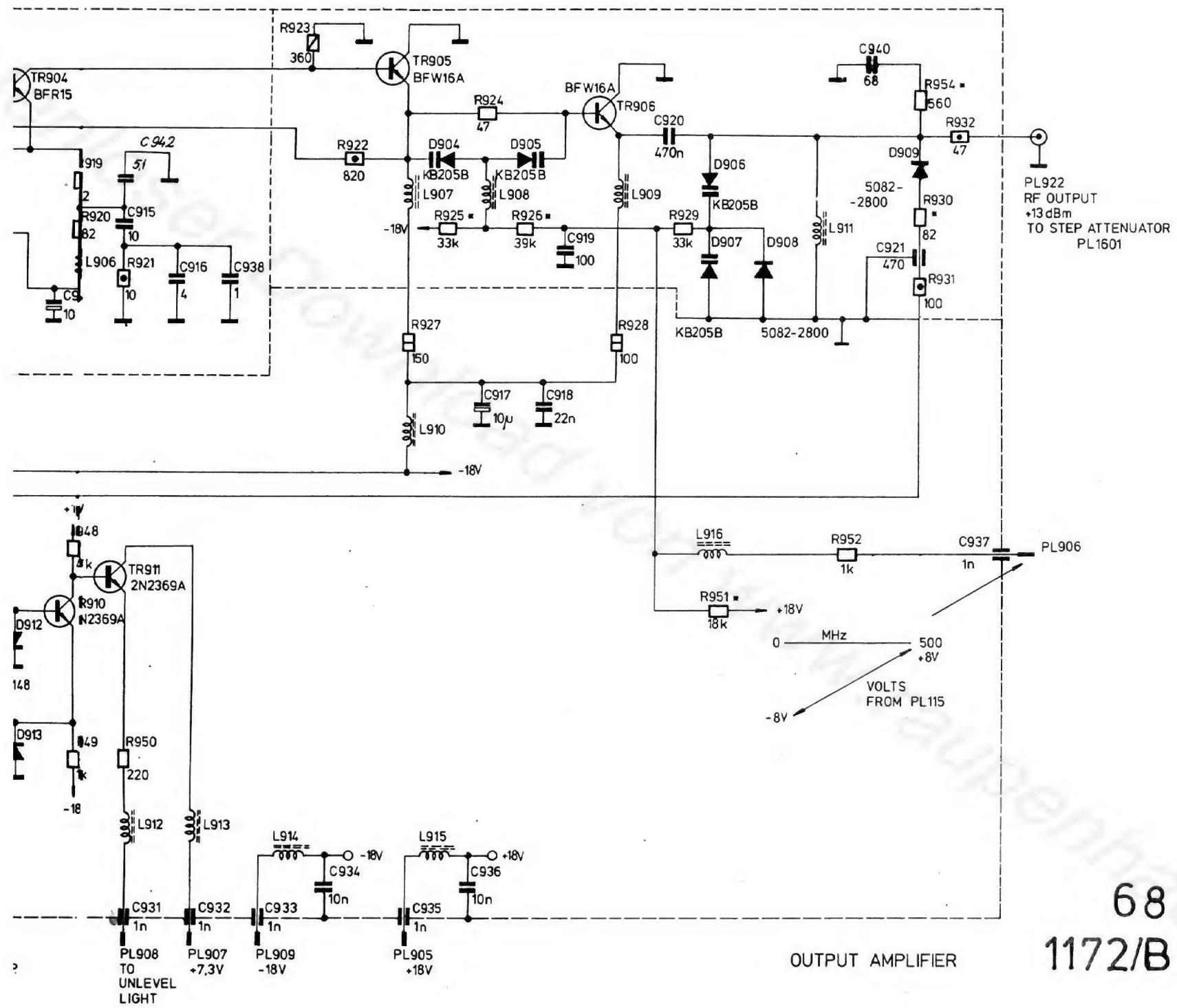
No	Ω/F	%	W/V	No	Ω/F	%	W'/V
R901	47	5	0,25	R929	33 k	5	0,25
R902	330	5	0,25	R930	82	5	0,25
R903	1,3 k	5	0,25	R931	100	5	0,125
R904	47	5	0,25	R932	47	5	0,125
R905	150	5	0,25	R933	1 k	5	0,25
R906	10	5	0,125	R934	47 k	5	0,25
R907	100	5	0,125	R935	560 k	5	0,25
R908	820	5	0,25	R936	10 k	5	0,25
R909	220	5	0,25	R937	1,2 k	5	0,25
R910	27	5	0,25	R938	4,7 k	5	0,25
R911	560	5	0,25	R939	1 k	5	0,25
R912	56	5	0,25	R940	10 k	5	0,25
R913	470	5	0,125	R941	560 k	5	0,25
R914	82	5	0,25	R942	47 k	5	0,25
R915	10	5	0,125	R943	220	5	0,25
R916	620	5	0,125	R944	4,7 k	5	0,25
R917	82	5	0,25	R945	220	5	0,25
R918	10	5	0,25	R946	10 k	5	0,25
R919	22	5	0,25	R947	7,5 k	5	0,25
R920	82	5	0,25	R948	47 k	5	0,25
R921	10	5	0,125	R949	10 k	5	0,25
R922	820	5	0,125	R950	220	5	0,25
R923	360	5	0,5	R951	18 k	5	0,25
R924	47	5	0,25	R952	1 k	5	0,25
R925	33 k	5	0,25	R953	1 k	5	0,25
R926	39 k	5	0,25	R954	560	5	0,25
R927	150	5	1	R955	20 k	5	0,25
R928	100	5	1				

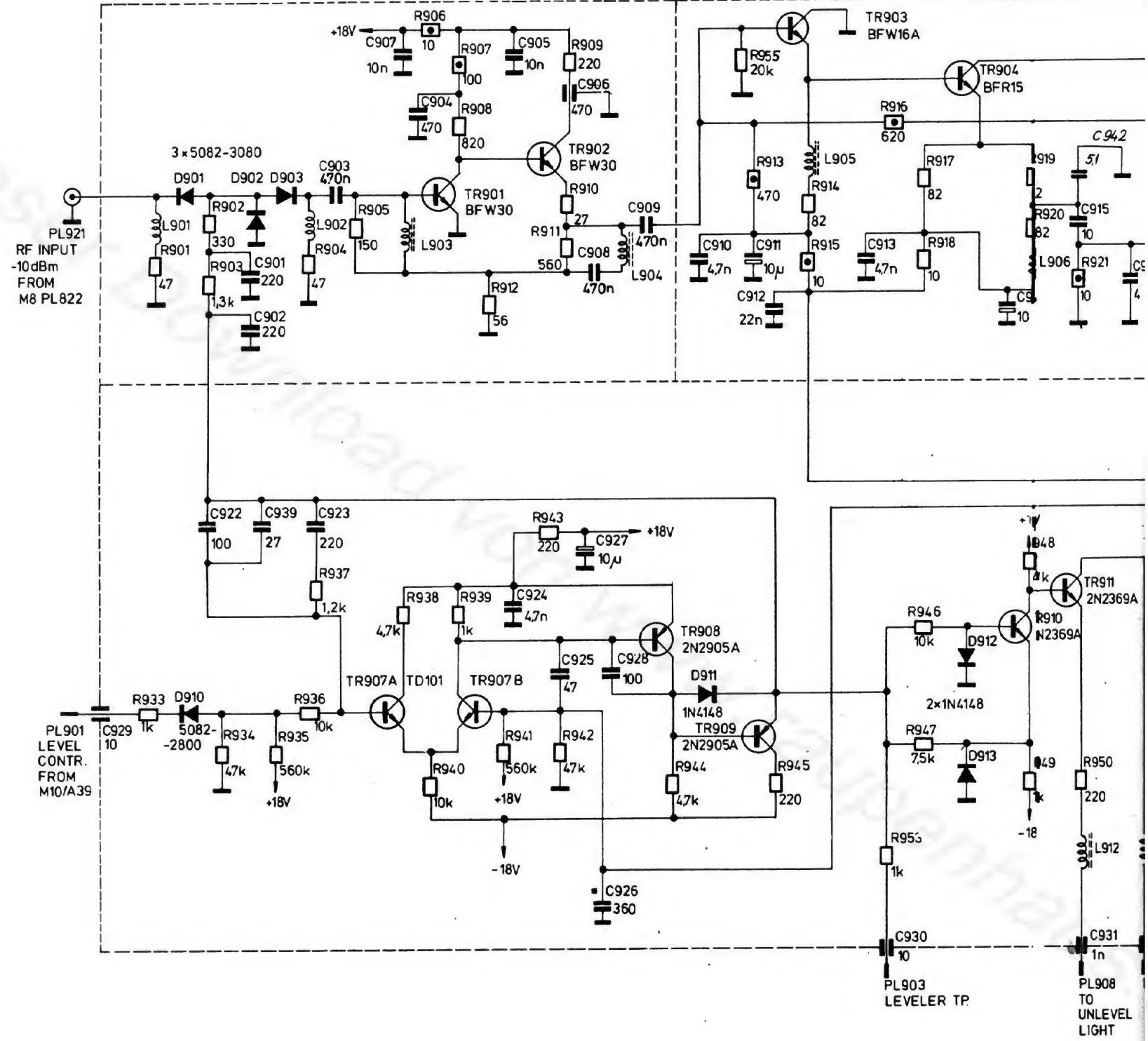
No	Ω/F	%	W/V	No	Ω/F	%	W/V
C901	220 p	20	500	C923	220 p	20	500
C902	220 p	20	500	C924	4,7 n	+80-20	40
C903	470 n	+50-20	50	C925	47 p	5	500
C904	470 p	20	500	C926	360 p	20	500
C905	10 n	+80-20	40	C927	10 u	-	25
C906	470 p	+50-20	350	C928	100 p	20	500
C907	10 n	+80-20	40	C929	10 p	20	350
C908	470 n	+50-20	50	C930	10 p	20	350
C909	470 n	+50-20	50	C931	1 n	+50-20	350
C910	4,7 n	+80-20	40	C932	1 n	+50-20	350
C911	10 u	-	25	C933	1 n	+50-20	350
C912	22 n	+80-20	40	C934	10 n	+80-20	40
C913	4,7 n	+80-20	40	C935	1 n	+50-20	350
C914	10 u	-	25	C936	10 n	+80-20	40
C915	10 p	0,5p	500	C937	1 n	+50-20	350
C916	4 p	0,5p	500	C938	1 p	0,5p	500
C917	10 u	-	25	C939	27 p	5	500
C918	22 n	+80-20	40	C940	68 p	5	500
C919	100 p	20	500	C941	-	-	-
C920	470 n	+50-20	50	C942	5,1 p	0,5p	500
C921	470 p	+50-20	350				
C922	100 p	20	500				

No		No	
D901	50823080	L901	7240000035
D902	50823080	L902	7240000035
D903	50823080	L903	7240000037
D904	KB205B	L904	7240000037
D905	KB205B	L905	7240000036
D906	KB205B	L906	7240000036
D907	KB205B	L907	7240000036
D908	50822800	L908	7240000036
D909	50822800	L909	7240000036
D910	50822800	L910	7240000037
D911	1N4148	L911	7240000036
D912	1N4148	L912	7240000030
D913	1N4148	L913	7240000030
		L914	7240000030
TR901	BFW30	L915	7240000030
TR902	BFW30	L916	553-2635-49 10000 <i>μ</i> h
TR903	BFW16A		
TR904	BFRI5A		
TR905	BFW16A		
TR906	BFW16A		
TR907	TD101		
TR908	2N2905A		
TR909	2N2905A		
TR910	2N2369A		
TR911	2N2369A		



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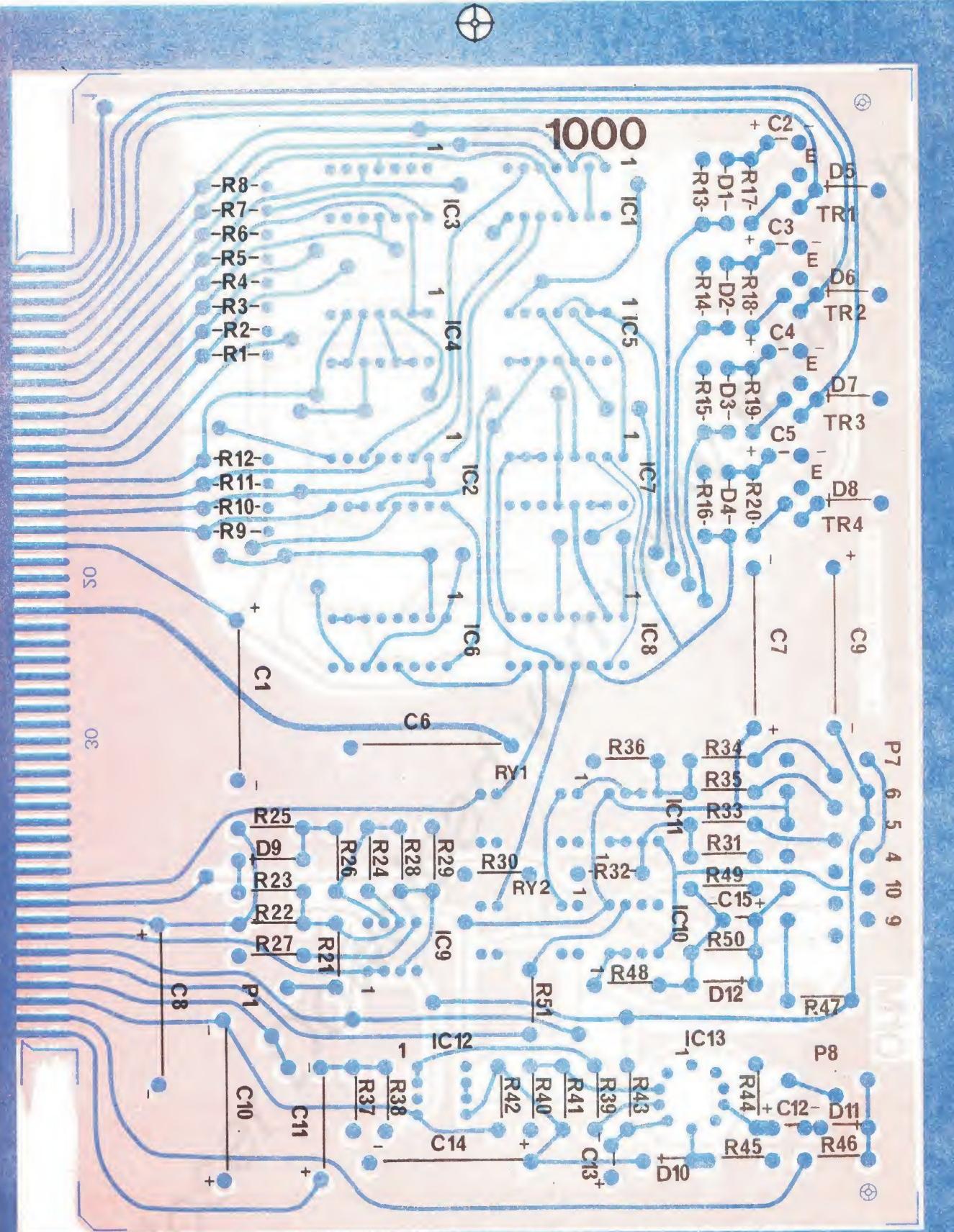




No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1001	68 k	5	0,25	R1031	5,6 k	5	0,25
R1002	68 k	5	0,25	R1032	10 k	5	0,25
R1003	68 k	5	0,25	R1033	220 k	5	0,25
R1004	68 k	5	0,25	R1034	33 k	5	0,25
R1005	68 k	5	0,25	R1035	1 M	5	0,25
R1006	68 k	5	0,25	R1036	10 k	5	0,25
R1007	68 k	5	0,25	R1037	22 k	5	0,25
R1008	68 k	5	0,25	R1038	10 k	5	0,25
R1009	6,8 k	5	0,25	R1039	220	5	0,25
R1010	6,8 k	5	0,25	R1040	22 k	5	0,25
R1011	6,8 k	5	0,25	R1041	120	5	0,25
R1012	6,8 k	5	0,25	R1042	390 k	5	0,25
R1013	2,2 k	5	0,25	R1043	1 k	5	0,25
R1014	2,2 k	5	0,25	R1044	1 k	5	0,25
R1015	2,2 k	5	0,25	R1045	3,3 k	5	0,25
R1016	1 k	5	0,25	R1046	3,9 k	5	0,25
R1017	1 k	5	0,25	R1047	18 k	5	0,25
R1018	1 k	5	0,25	R1048	22 k	5	0,25
R1019	1 k	5	0,25	R1049	68 k	5	0,25
R1020	2,2 k	5	0,25	R1050	100 k	5	0,25
R1021	8,2 k	5	0,25	R1051	15 k	5	0,25
R1022	36,1 k	0,5	0,9				
R1023	33 k	5	0,25	P1001	2,2 k	10	0,5
R1024	10 k	1	0,9				
R1025	22 k	5	0,25	P1004	22 k	10	0,5
R1026	2,71 k	0,5	0,9	P1005	22 k	10	0,5
R1027	10 k	1	0,9	P1006	22 k	10	0,5
R1028	11 k	1	0,9	P1007	22 k	10	0,5
R1029	3,92 k	1	0,9	P1008	2,2 k	10	0,5
R1030	1 M	5	0,25	P1009	2,2 k	10	0,5
				P1010	22 k	10	0,5

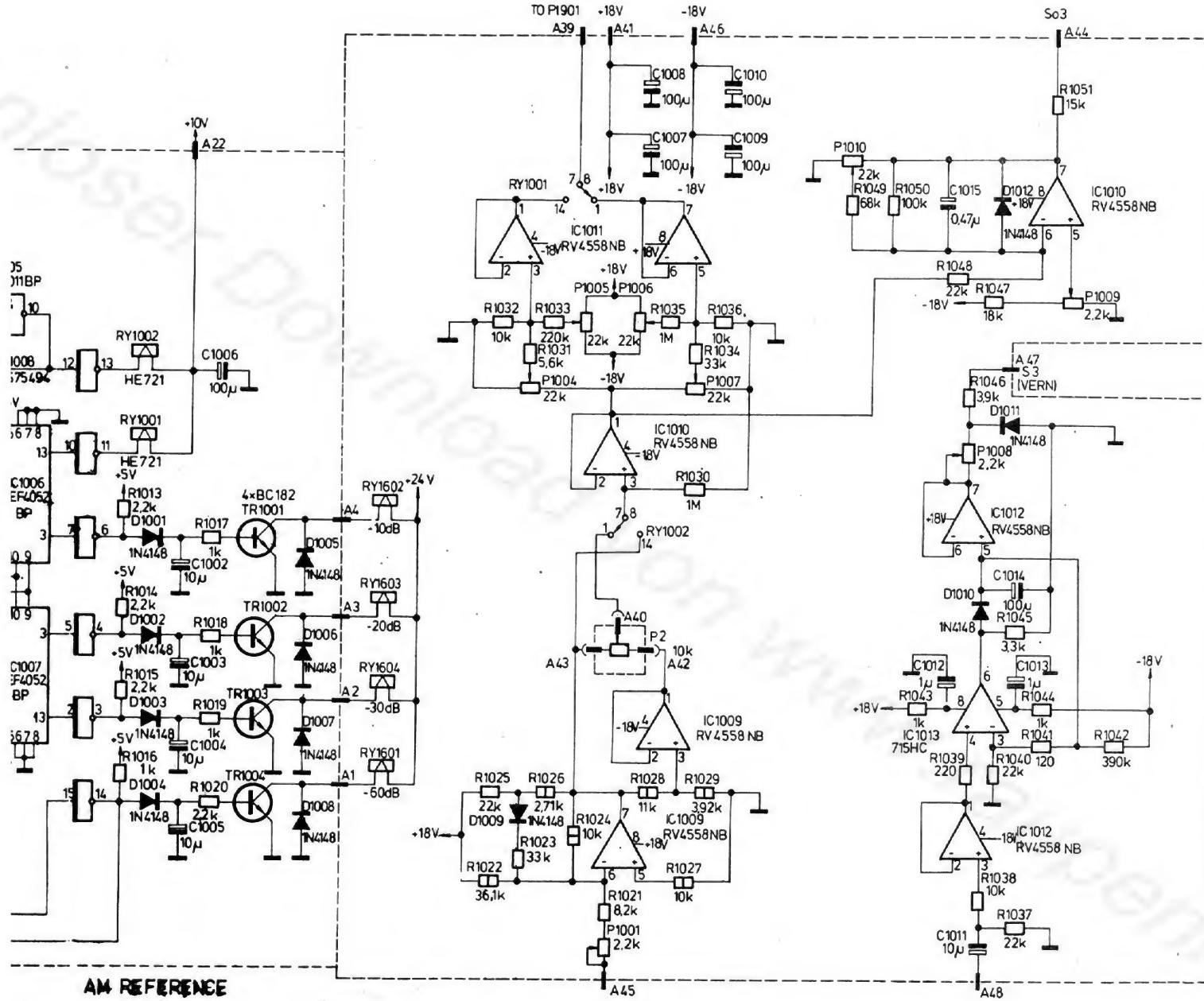
No	Ω/F	%	W/V	No	Ω/F	%	W/V
C1001	100 /u		16	C1009	100 /u	25	
C1002	10 /u		35	C1010	100 /u	25	
C1003	10 /u		35	C1011	10 /u	25	
C1004	10 /u		35	C1012	1 /u	35	
C1005	10 /u		35	C1013	1 /u	35	
C1006	100 /u		16	C1014	100 /u	16	
C1007	100 /u		35	C1015	0,47 /u	35	
C1008	100 /u		25				

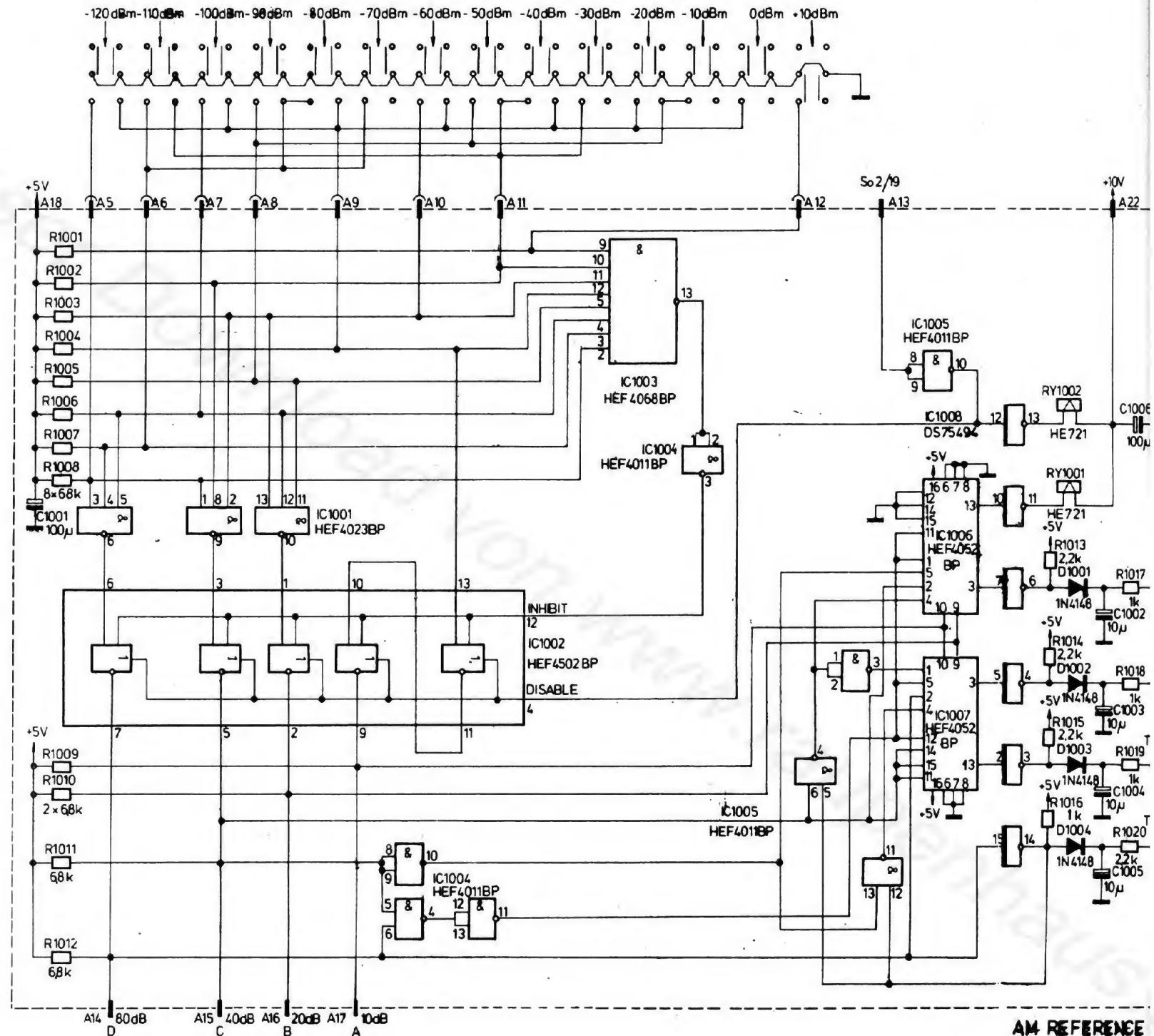
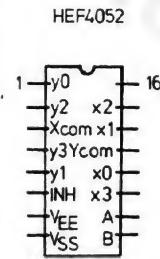
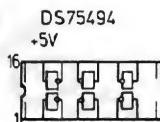
No		No	
D1001	1N4148	IC1001	HEF4023BP
D1002	1N4148	IC1002	HEF4502BP
D1003	1N4148	IC1003	HEF4068BP
D1004	1N4148	IC1004	HEF4011BP
D1005	1N4148	IC1005	HEF4011BP
D1006	1N4148	IC1006	HEF4052BP
D1007	1N4148	IC1007	HEF4052BP
D1008	1N4148	IC1008	DS75494N
D1009	1N4148	IC1009	RV4558NB
D1010	1N4148	IC1010	RV4558NB
D1011	1N4148	IC1011	RV4558NB
D1012	1N4148	IC1012	RV4558NB
		IC1013	/uA715HC
TR1001	BC182		
TR1002	BC182	RY1001	HE721C1230
TR1003	BC182	RY1002	HE721C1230
TR1004	BC182		



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AM REFERENCE

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1101	39 k	5	0,25	R1137	2,4 k	5	0,25
R1102	39 k	5	0,25	R1138	2,4 k	5	0,25
R1103	39 k	5	0,25	R1139	2,4 k	5	0,25
R1104	39 k	5	0,25	R1140	2,4 k	5	0,25
R1105	1 k	1	0,9	R1141	2,4 k	5	0,25
R1106	8,25 k	1	0,9	R1142	2,4 k	5	0,25
R1107	3,83 k	1	0,9	R1143	10 k	5	0,25
R1108	2,43 k	1	0,9	R1144	10 k	1	0,9
R1109	1,69 k	1	0,9	R1145	27,4 k	1	0,9
R1110	1,27 k	1	0,9	R1146	39 k	5	0,25
R1111	1 k	1	0,9	R1147	39 k	5	0,25
R1112	806	1	0,9	R1148	2,2 k	5	0,25
R1113	665	1	0,9	R1149	39 k	5	0,25
R1114	549	1	0,9	R1150	2,4 k	5	0,25
R1115	750	5	0,25	R1151	1 k	5	0,25
R1116	39 k	5	0,25	R1152	1 k	5	0,25
R1117	39 k	5	0,25	R1153	39 k	5	0,25
R1118	39 k	5	0,25	R1154	2,4 k	5	0,25
R1119	39 k	5	0,25	R1155	1 k	5	0,25
R1120	39 k	5	0,25			5	0,25
R1121	39 k	5	0,25	R1157	2,4 k	5	0,25
R1122	39 k	5	0,25	R1158	39 k	5	0,25
R1123	39 k	5	0,25	R1159	121 k	1	0,9
R1124	39 k	5	0,25	R1160	182 k	1	0,9
R1125	39 k	5	0,25	R1161	121 k	1	0,9
R1126	39 k	5	0,25	R1162	182 k	1	0,9
R1127	39 k	5	0,25	R1163	28 k	1	0,9
R1128	39 k	5	0,25	R1164	28 k	1	0,9
R1129	39 k	5	0,25	R1165	3,92 k	1	0,9
R1130	39 k	5	0,25	R1166	301 k	1	0,9
R1131	39 k	5	0,25				
R1132	39 k	5	0,25	R1169	10 k	5	0,25
R1133	39 k	5	0,25	R1170	178 k	1	0,9
R1134	2,4 k	5	0,25	R1171	19,6 k	1	0,9
R1135	2,4 k	5	0,25	R1173	200	5	0,25
R1136	2,4 k	5	0,25	R1174	4,7 k	5	0,25

R,P,C

- 2 -

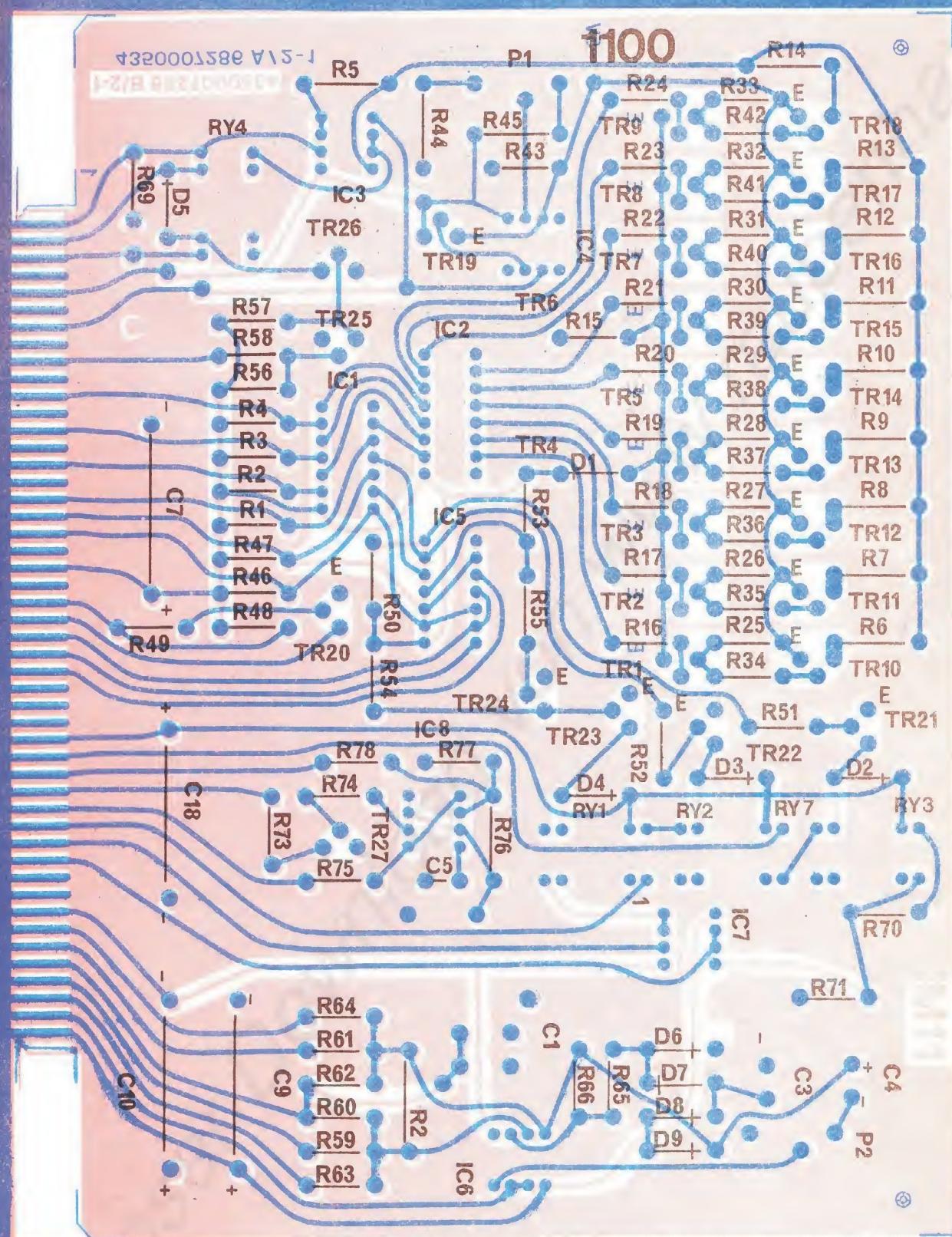
MODULATION BOARD

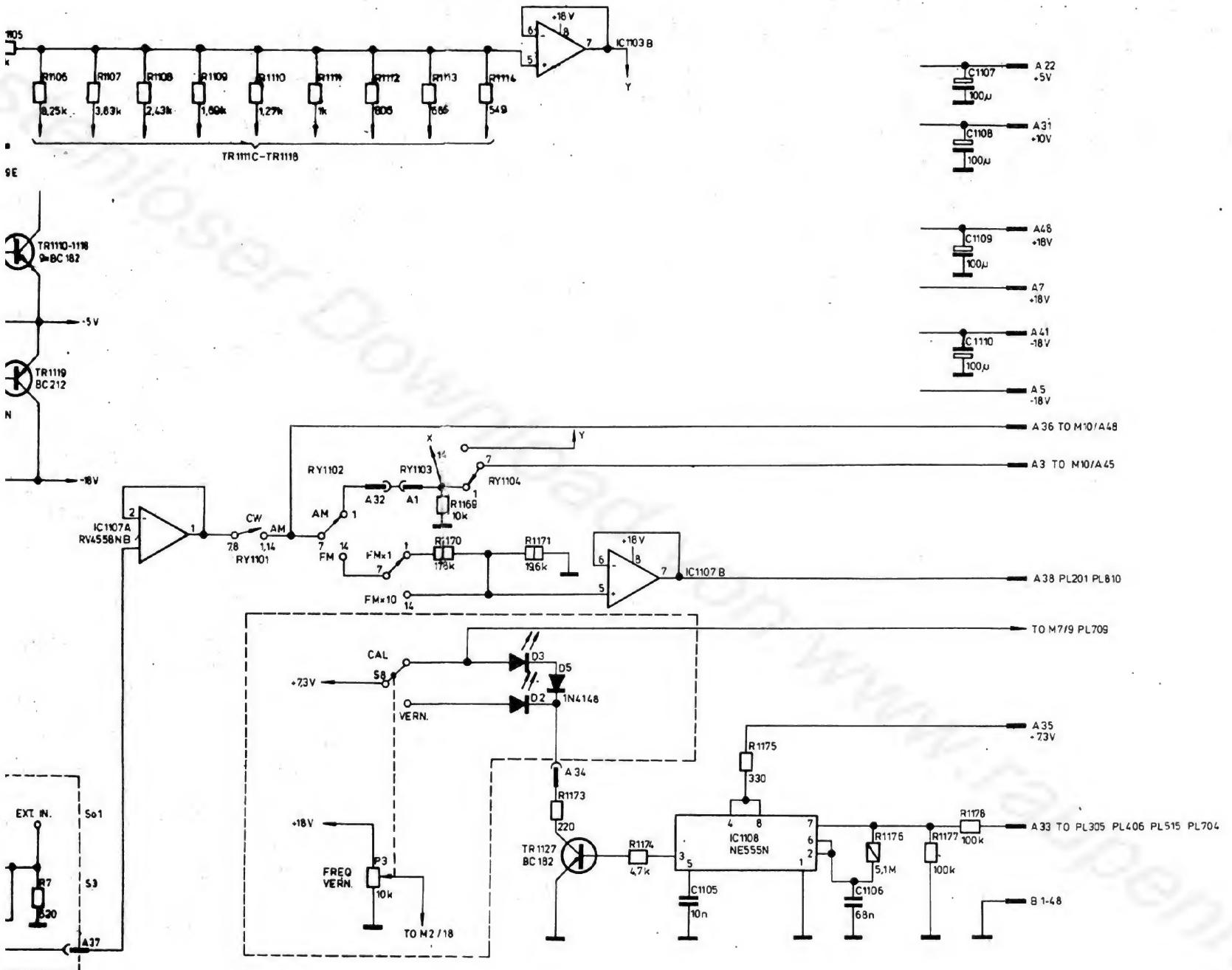
No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1175	330	5	0,25	C1101	21,96 n	0,25	63
R1176	5,1 M	5	0,5	C1102	220 p	2,5	160
R1177	100 k	5	0,25	C1103	47 u		40
R1178	100 k	5	0,25	C1104	47 u		40
				C1105	10 n	+80-20	40
P1101	1 k	10	0,5	C1106	68 n	10	250
P1102	10 k	10	0,5	C1107	100 u		16
				C1108	100 u		16
				C1109	100 u		25
				C1110	100 u		25

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1172/B

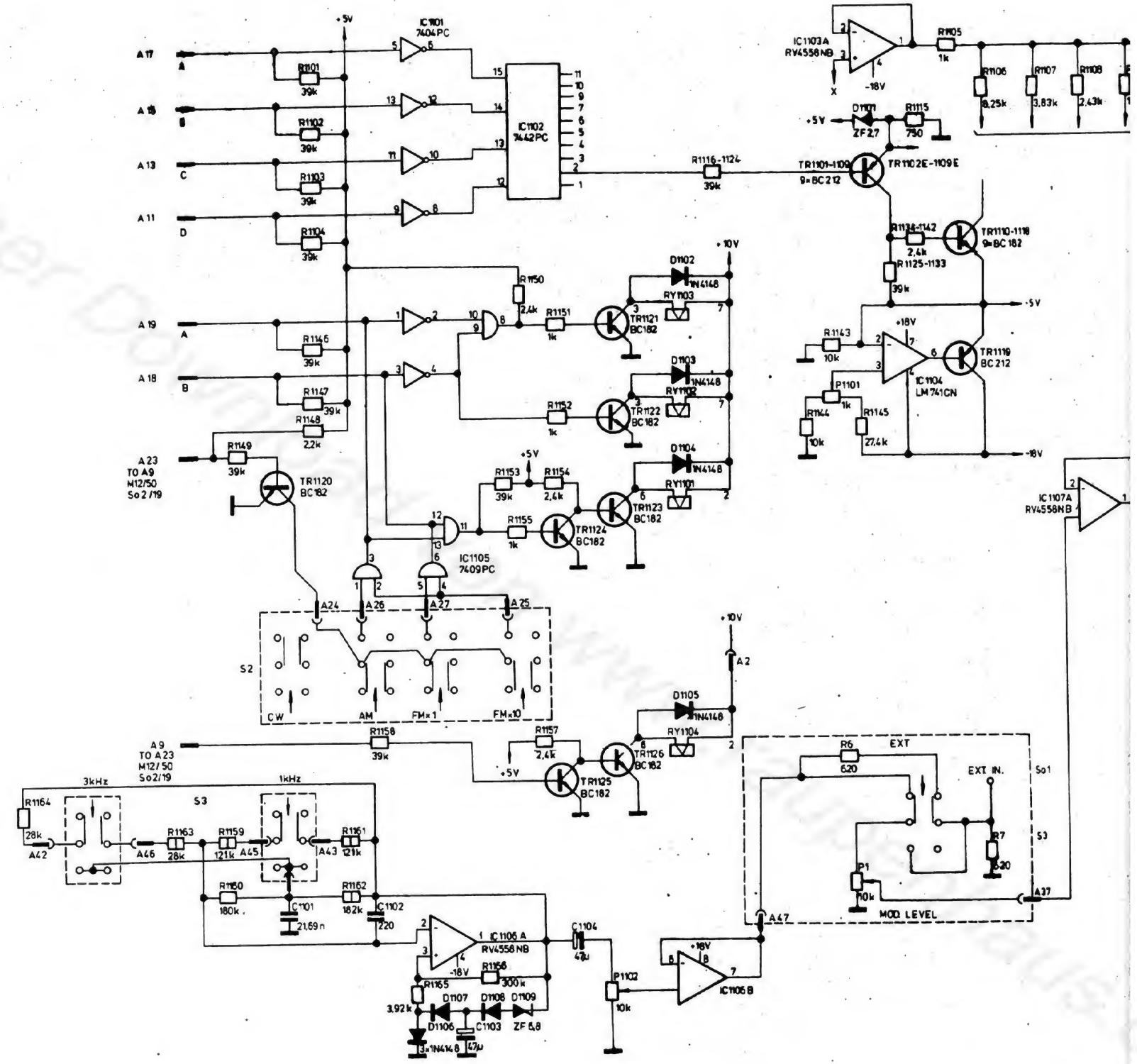
No		No	
D1101	ZPD2, 7	TR1111	BC182
D1102	1N4148	TR1112	BC182
D1103	1N4148	TR1113	BC182
D1104	1N4148	TR1114	BC182
D1105	1N4148	TR1115	BC182
D1106	1N4148	TR1116	BC182
D1107	1N4148	TR1117	BC182
D1108	1N4148	TR1118	BC182
D1109	ZPD6, 8	TR1119	BC212
		TR1120	BC182
TR1101	BC212	TR1121	BC182
TR1102	BC212	TR1122	BC182
TR1103	BC212	TR1123	BC182
TR1104	BC212	TR1124	BC182
TR1105	BC212	TR1125	BC182
TR1106	BC212	TR1126	BC182
TR1107	BC212	TR1127	BC182
TR1108	BC212		
TR1109	BC212		
TR1110	BC182		
IC1101	7404PC	IC1105	7409PC
IC1102	7442PC	IC1006	RV4558NB
IC1103	RV4558NB	IC1107	RV4558NB
IC1104	LM741CN	IC1108	NE555VN
RY1101	HE721A1230	RY1103	HE721C1230
RY1102	HE721C1230	RY1104	HE721C1230





MODULATION BOARD

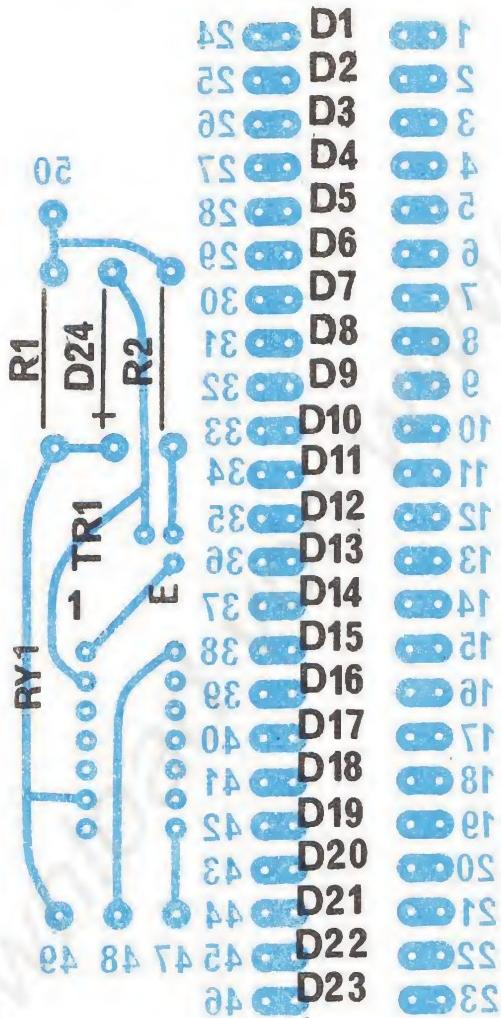
74
1172/B



No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1201	4,7 k	5	0,25	R1202	2,4 k	5	0,25

No	No
D1201	1N4148
D1202	1N4148
D1203	1N4148
D1204	1N4148
D1205	1N4148
D1206	1N4148
D1207	1N4148
D1208	1N4148
D1209	1N4148
D1210	1N4148
D1211	1N4148
D1212	1N4148
D1213	1N4148
D1214	1N4148
D1215	1N4148
	TR1201
	RY1201

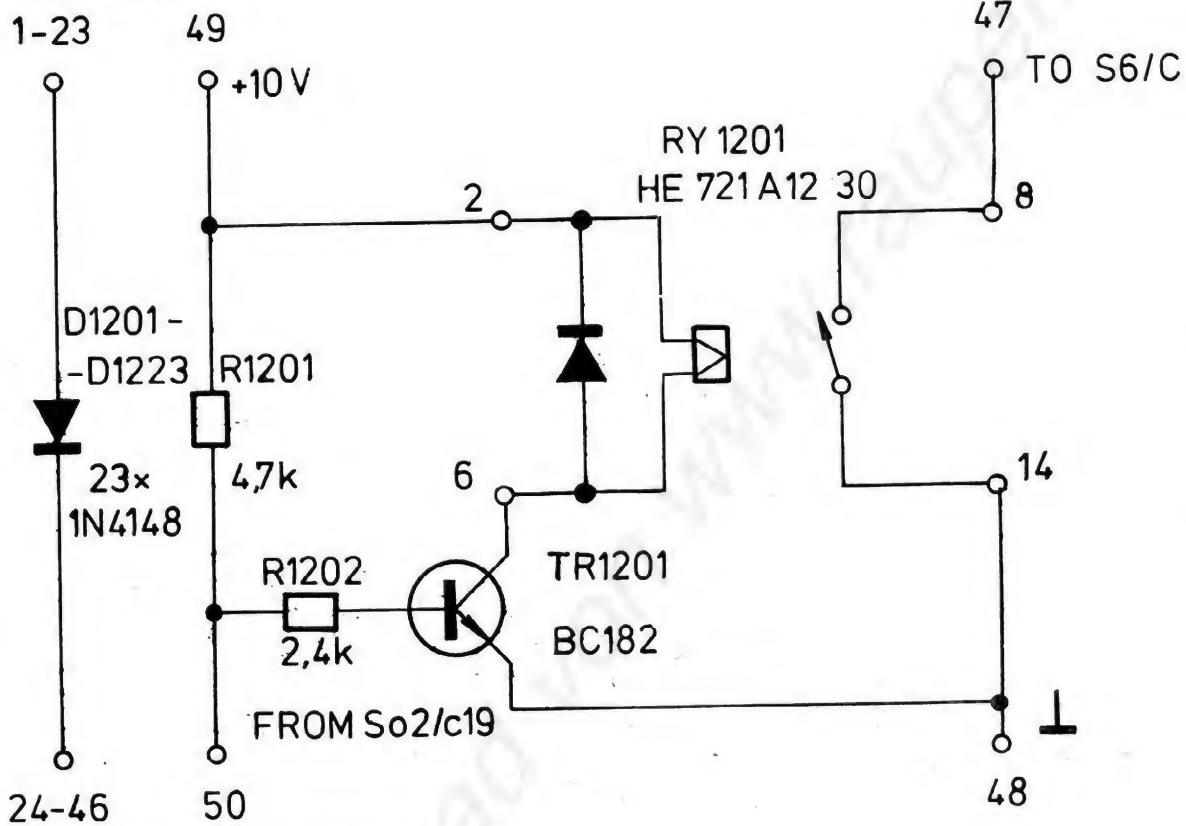
1200



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1172/B

TO M1; M3; M5



3

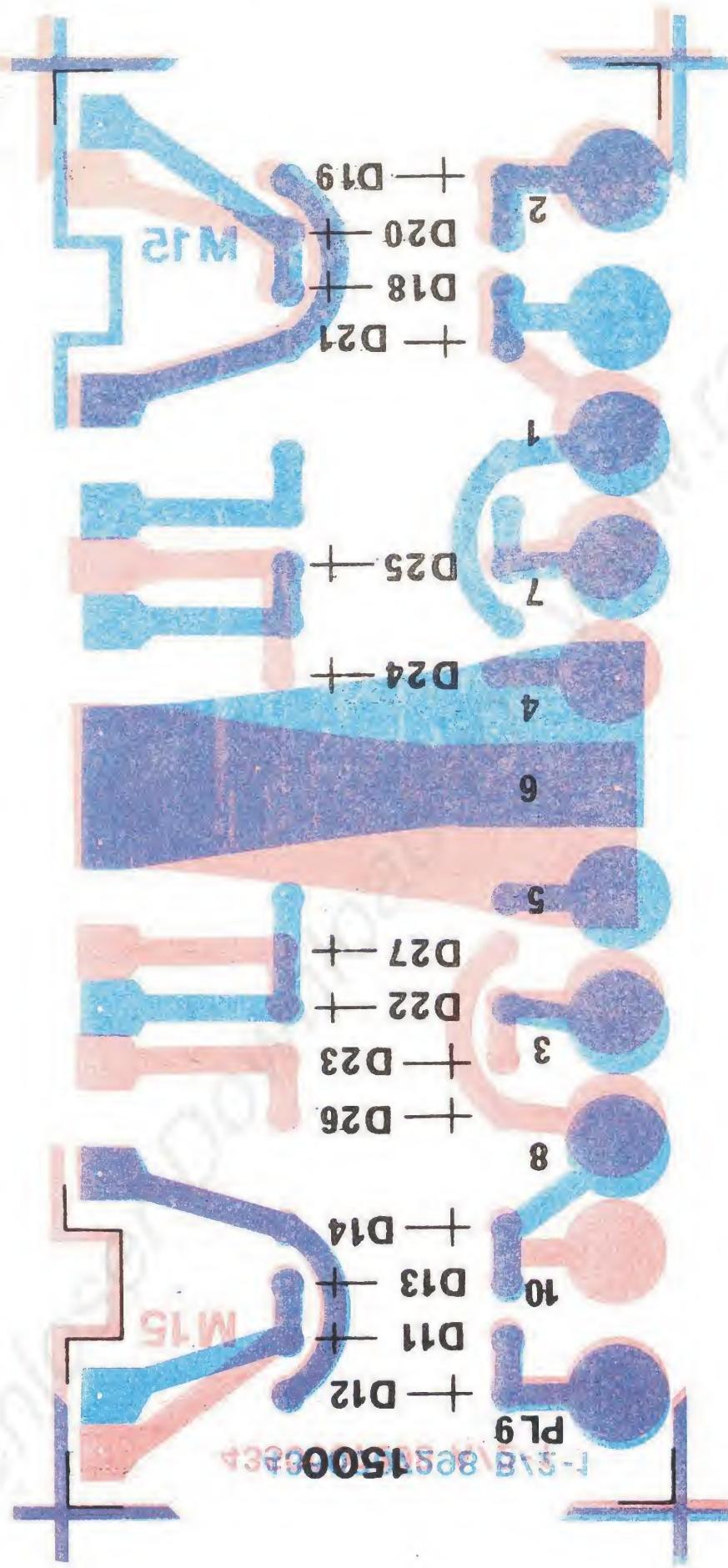
DIODE BOARD

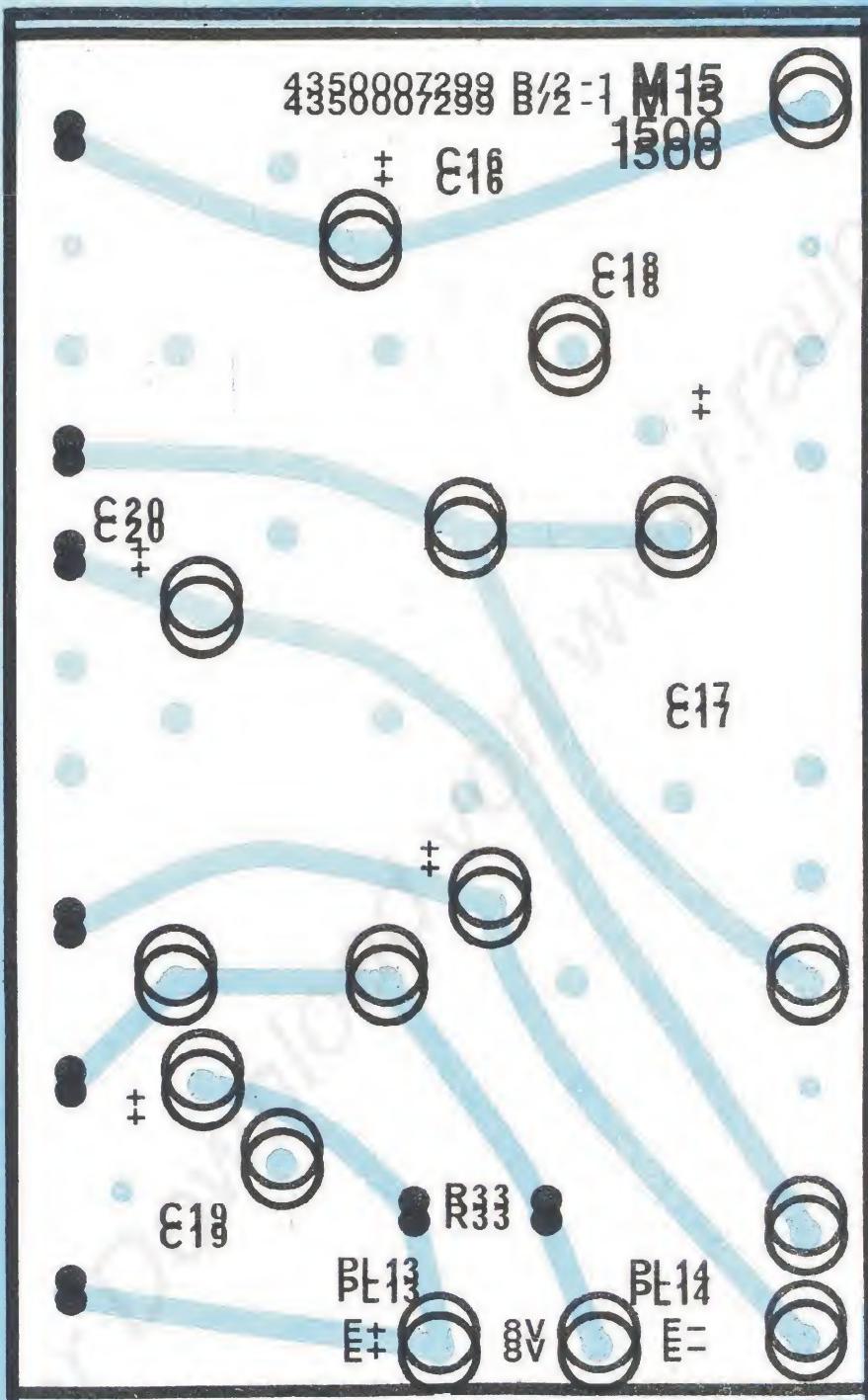
77
1172/B

No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1501	2,2 k	5	0,25	R1537	3260000438		
R1502	2,2 k	5	0,25				
R1503	5,11 k	1	0,9	P1501	2,2 k	10	0,5
R1504	511	1	0,9				
R1505	22,1 k	1	0,9	C1501	100 μ		25
R1506	3,92 k	1	0,9	C1502	220 n	20	50
R1507	2,43 k	1	0,9	C1503	100 p	20	500
R1508	100 k	5	0,25	C1504	100 μ		25
R1509	1 k	1	0,9	C1505	0,47 μ		35
R1510	3,3 k	5	0,25	C1506	100 μ		25
R1511	10 k	1	0,9	C1507	10 μ		25
R1512	10 k	5	0,25	C1508	100 p	20	500
R1513	27 k	5	0,25	C1509	150 p	20	500
R1514	220	5	0,25	C1510	100 μ		25
R1515	10 k	0,5	0,9	C1511	1 n	+10-20	500
R1516	10 k	0,5	0,9	C1512	150 n	20	50
R1517	5,11 k	1	0,9	C1513	100 μ		25
R1518	1 k	5	0,25	C1514	330 p	20	500
R1519	1 k	5	0,25	C1515	100 n	+30-20	40
R1520	16,2 k	1	0,9	C1516	2200 μ		63
R1521	1 k	1	0,9	C1517	4700 μ		25
R1522	2,7 k	5	0,25	C1518	4700 μ		40
R1523	470	5	0,25	C1519	4700 μ		25
R1524	11 k	1	0,9	C1520	4700 μ		40
R1525	7,5 k	1	0,9	C1521	150 p	20	500
R1526	1 k	5	0,25				
R1527	825	1	0,9				
R1528	68,1	1	0,9				
R1529	1 k	5	0,25				
R1530	4,7 k	5	0,25				
R1531	470	5	0,5				
R1532	2,7 k	5	0,5				
R1533	1 k	5	0,5				
R1534	3260000438						
R1535	3260000438						
R1536	3260000438						

No		No	
D1501	ZPD4,7	TR1501	BC182
D1502	1N4148	TR1502	BC212
D1503	ZPD12	TR1503	BC212
D1504	1N4001	TR1504	BC182
D1505	1N4148	TR1505	BC212
D1506	1N4148	TR1506	BC303
D1507	1N4148	TR1507	BC182
D1508	1N4001	TR1508	BC301
D1509	1N4148	TR1509	BD241A
D1510	1N4001	TR1510	BD241A
D1511	1N4001	TR1511	BD241A
D1512	1N4001	TR1512	BD241A
D1513	1N4001	IC1501	uA723PC
D1516	1N4148	IC1502	RV4558NB
D1517	1N4148		
D1518	SY320/2		
D1519	SY320/2		
D1520	SY320/2		
D1521	SY320/2		
D1522	SY320/2		
D1523	SY320/2		
D1524	1N5401		
D1525	1N5401		
D1526	SY320/2		
D1527	SY320/2		
D1528	1N4001		

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75





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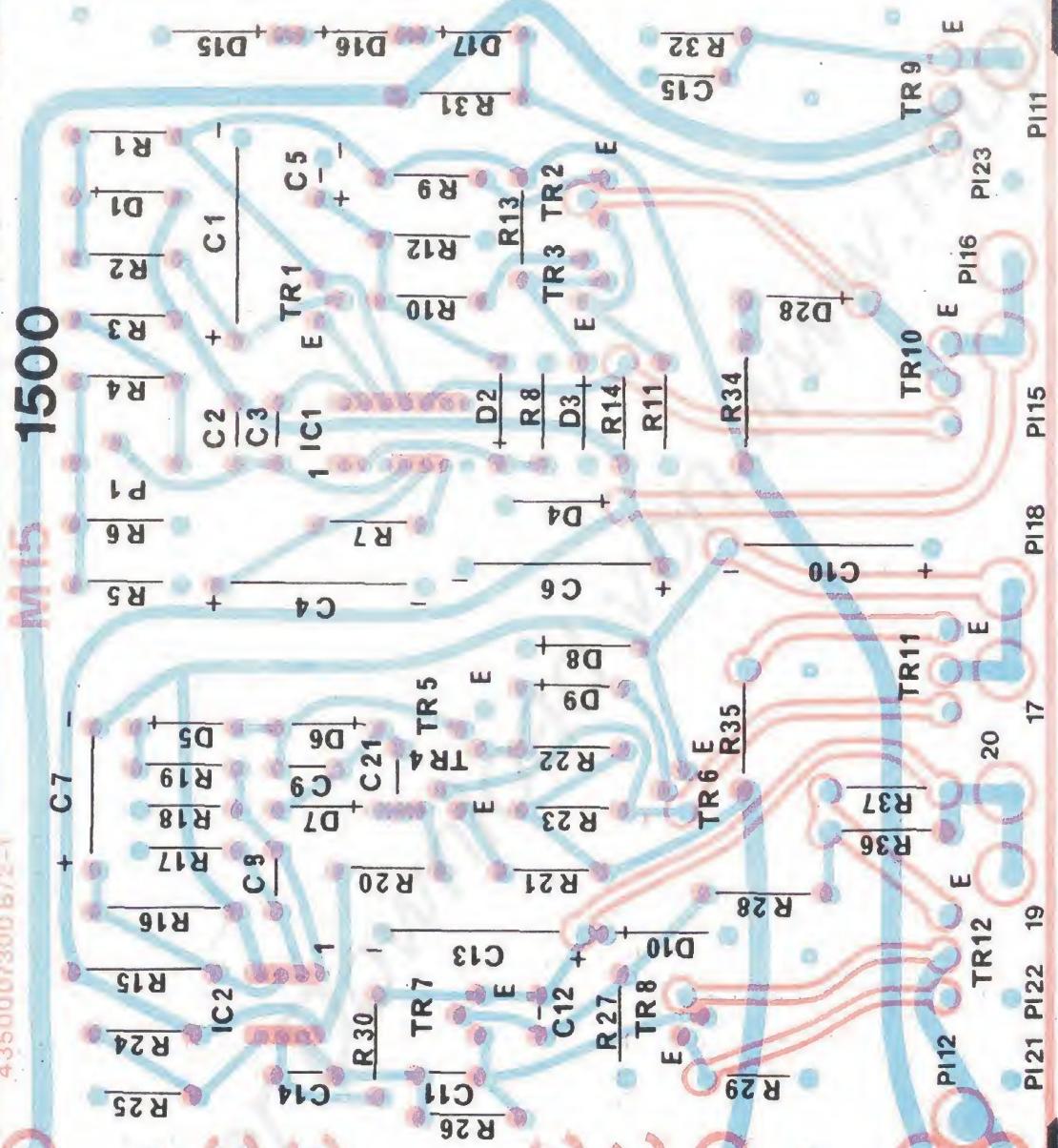
1172/B

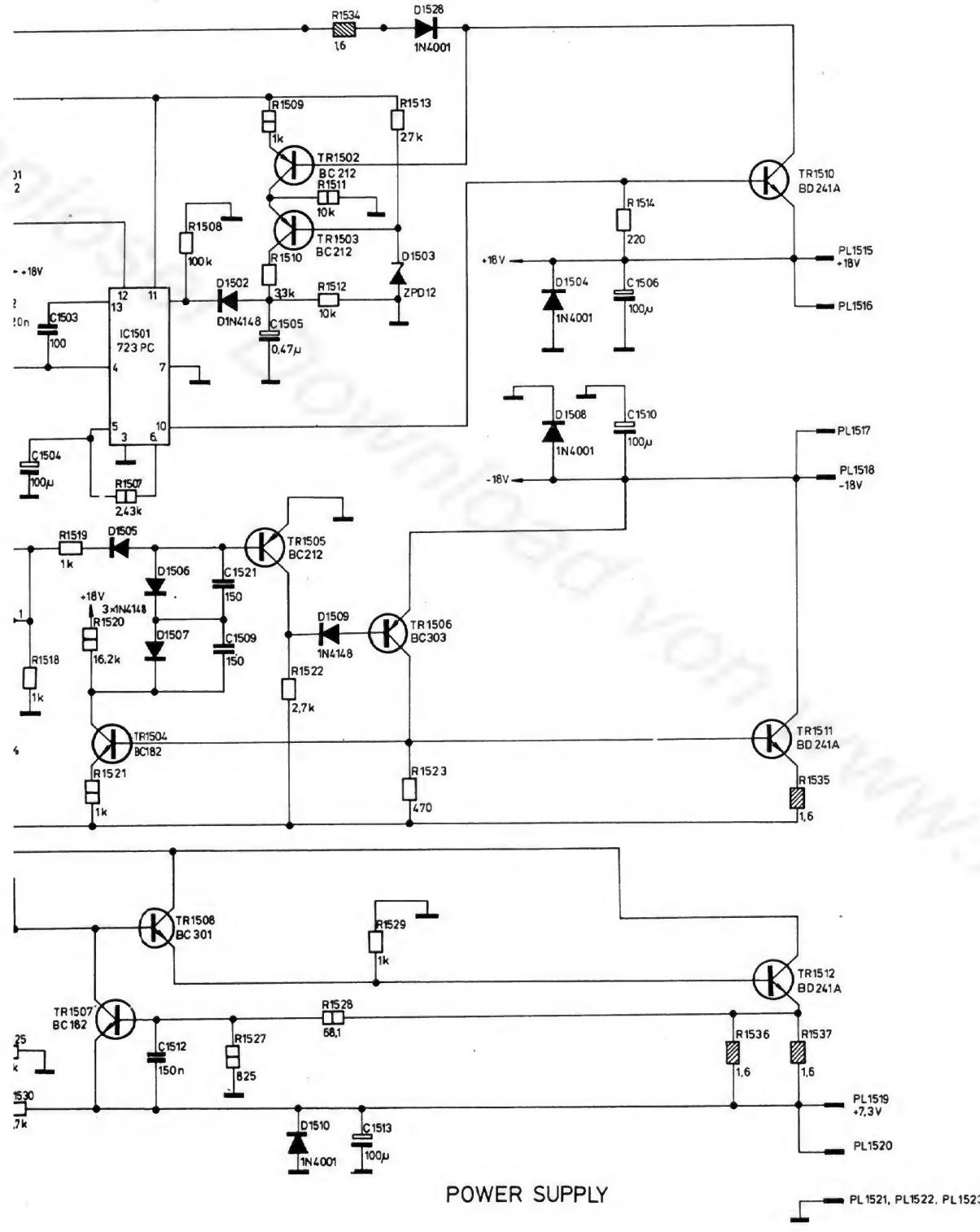
1172/B
79/2

1500

43500007300 B72-1

M15

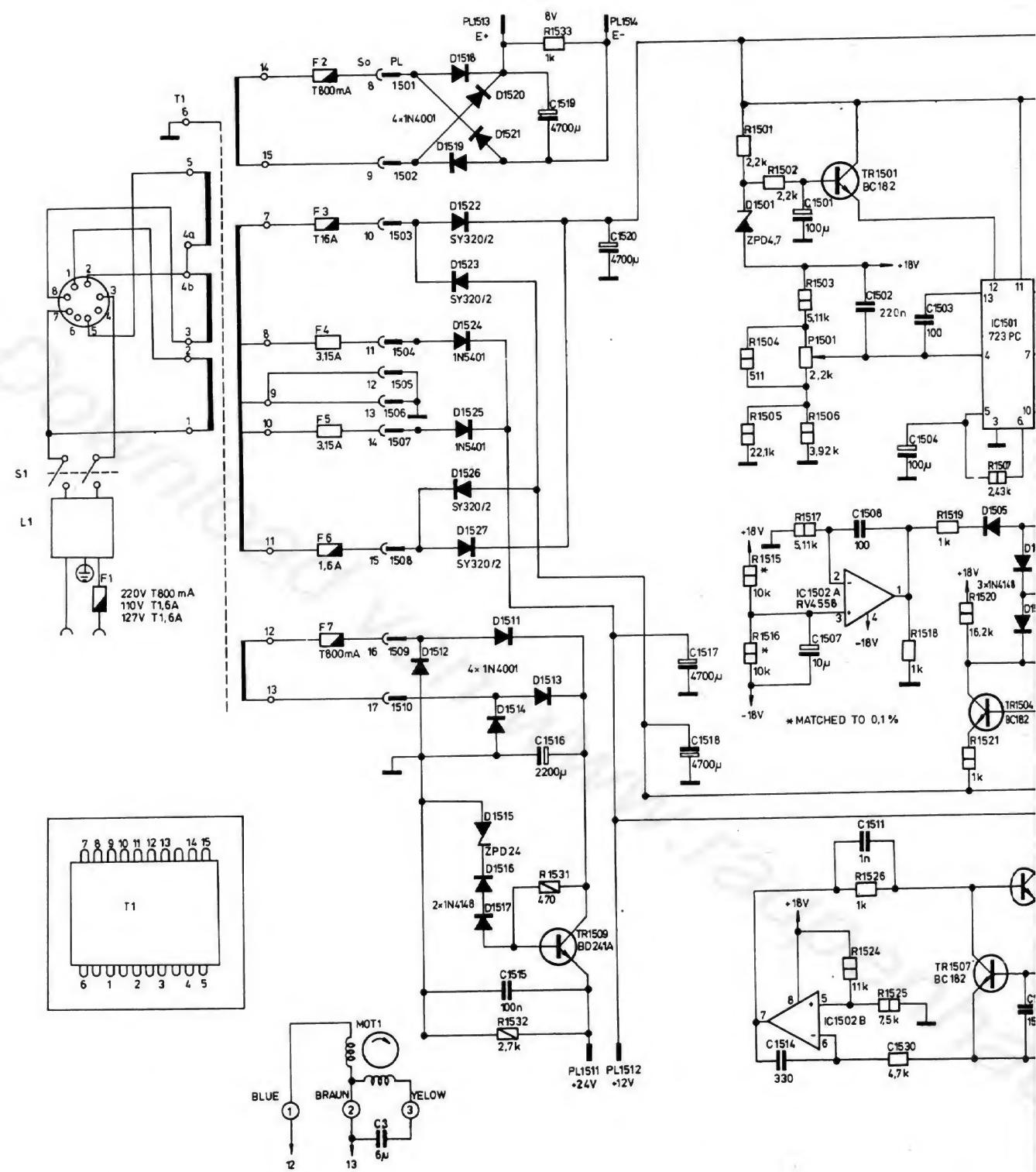




80
1172/B

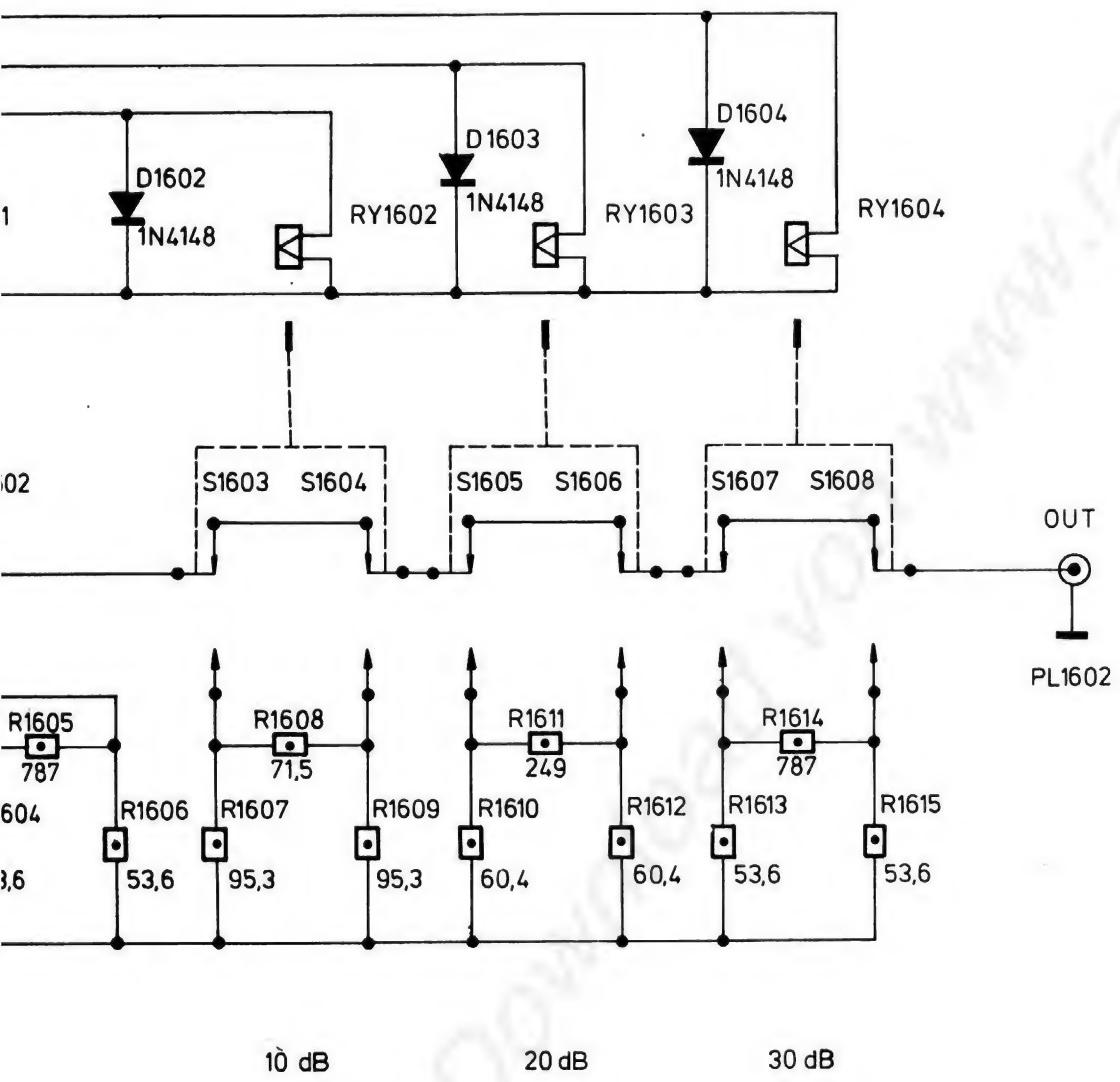
POWER SUPPLY

PL1521, PL1522, PL1523



No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1601	53,6	0,5	0,125	R610	60,4	0,5	0,125
R1602	787	0,5	0,125	R611	249	0,5	0,125
R1603	53,6	0,5	0,125	R612	60,4	0,5	0,125
R1604	53,6	0,5	0,125	R613	53,6	0,5	0,125
R1605	787	0,5	0,125	R614	787	0,5	0,125
R1606	53,6	0,5	0,125	R615	53,6	0,5	0,125
R1607	95,3	0,5	0,125	C1601	1 p	0,25p	500
R1608	71,5	0,5	0,125				
R1609	95,3	0,5	0,125				

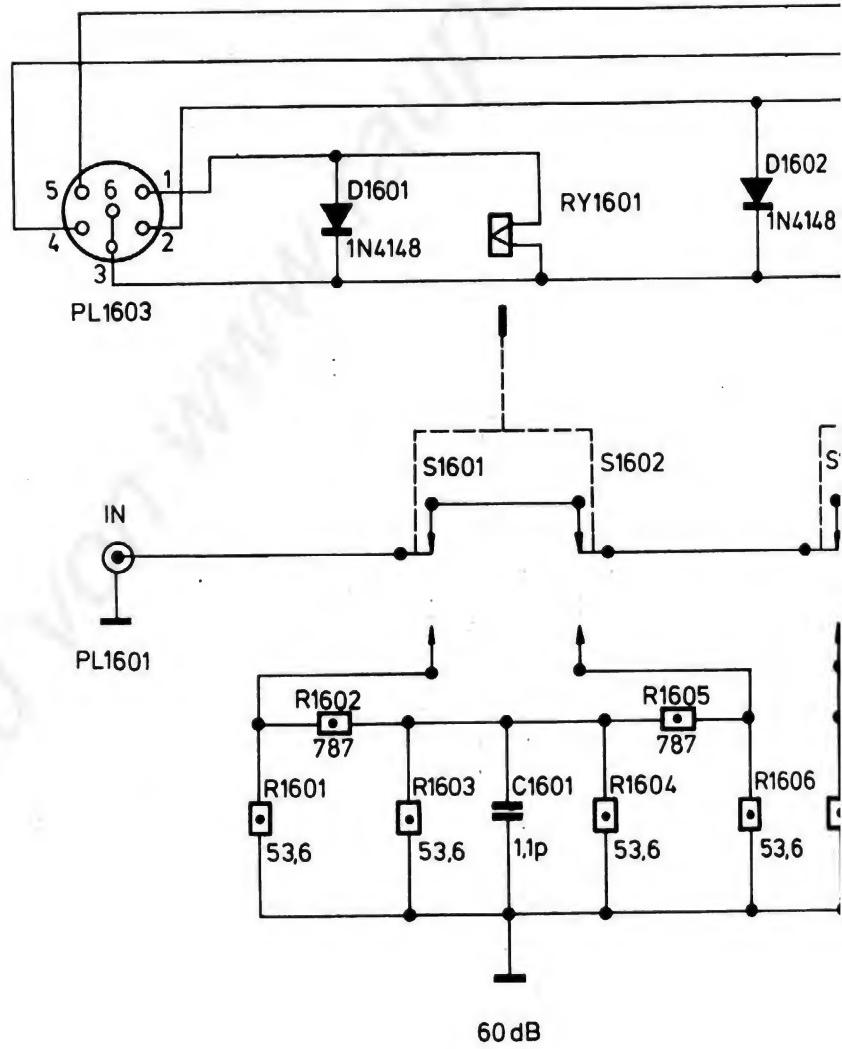
No		No	
D1601	1N4148	RY1601	7240000053
D1602	1N4148	RY1602	7240000053
D1603	1N4148	RY1603	7240000053
D1604	1N4148	RY1604	7240000053



STEP ATTENUATOR

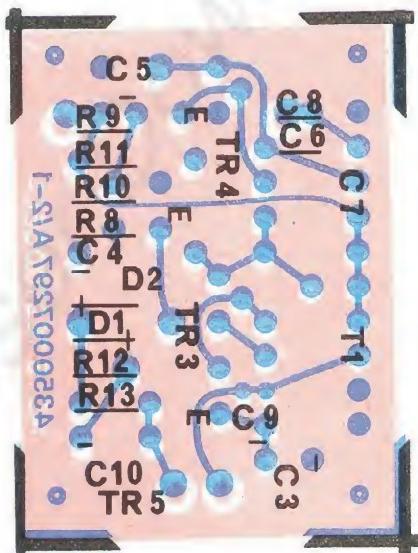
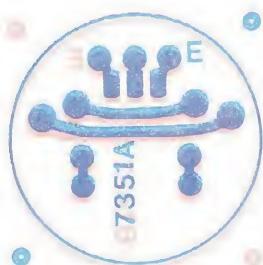
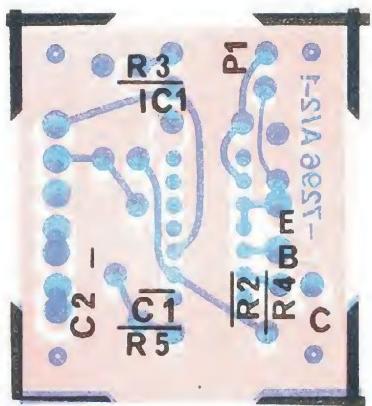
82
1172/B

STEP ATTENUATOR



No	Ω/F	%	W/V	No	Ω/F	%	W/V
R1302	10 k	1	0,9	C1302	100 n	+50-20	40
R1303	6,81 k	1	0,9	C1303	100 n	+50-20	40
R1304	590	1	0,9	C1304	240 p	10	50
R1305	10 k	1	0,9	C1305	22 n	+80-20	40
R1306	1 k	5	0,25	C1306	15 p	5	500
R1307			0	C1307	3-15 p	250	
R1308	2,4 k	5	0,25	C1308	10 p	0,5p	500
R1309	1 k	5	0,25	C1309	1 n	+50-20	500
R1310	1,5 k	5	0,25	C1310	100 n	+50-20	40
R1311	1,3 k	5	0,25	C1311	2,2 n	+50-20	350
R1312	33 k	5	0,25	C1312	2,2 n	+50-20	350
R1313	560	5	0,25	C1313	100 μ		16
P1301	2,2 k	10	0,5				

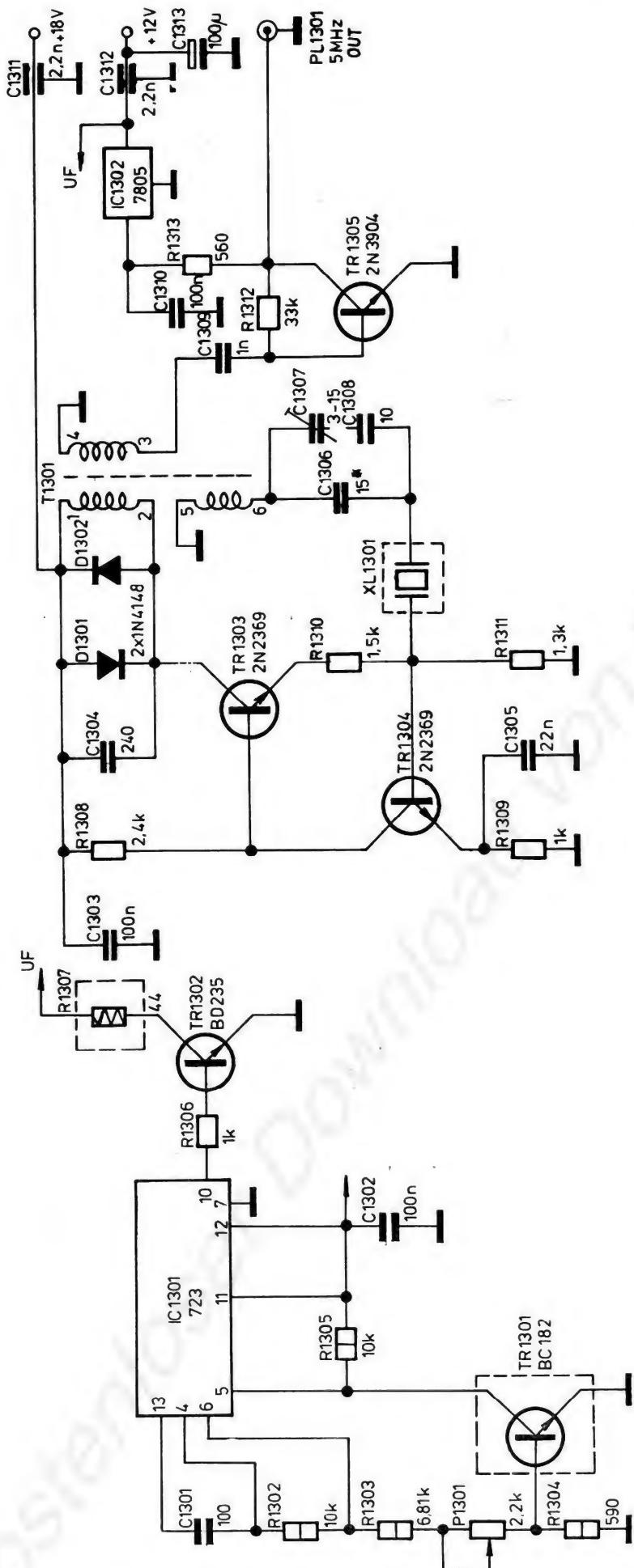
No		No	
D1301	1N4148	IC1301	μ A723PC
D1302	1N4148	IC1302	μ A7805UC
TR1301	BC182	T1301	7260000846
TR1302	BD235		
TR1303	2N2369	XL1301	RS12 5 MHz
TR1304	2N2369		
TR1305	2N3904		

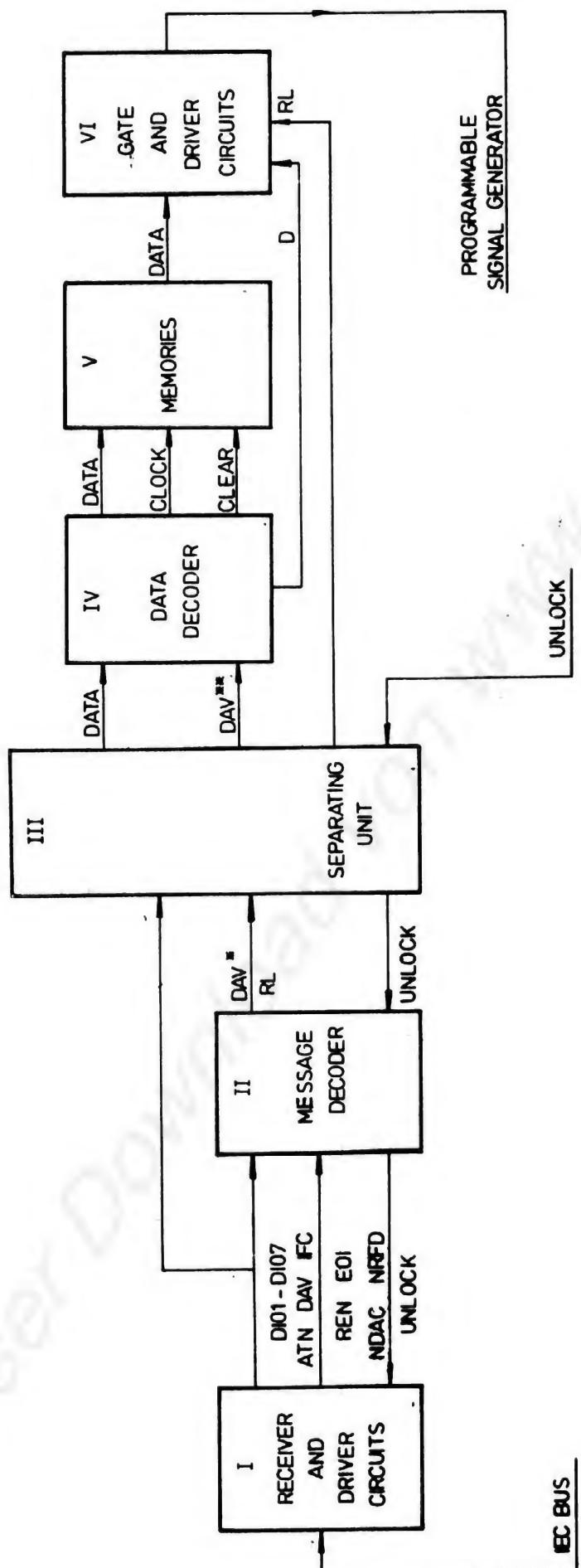


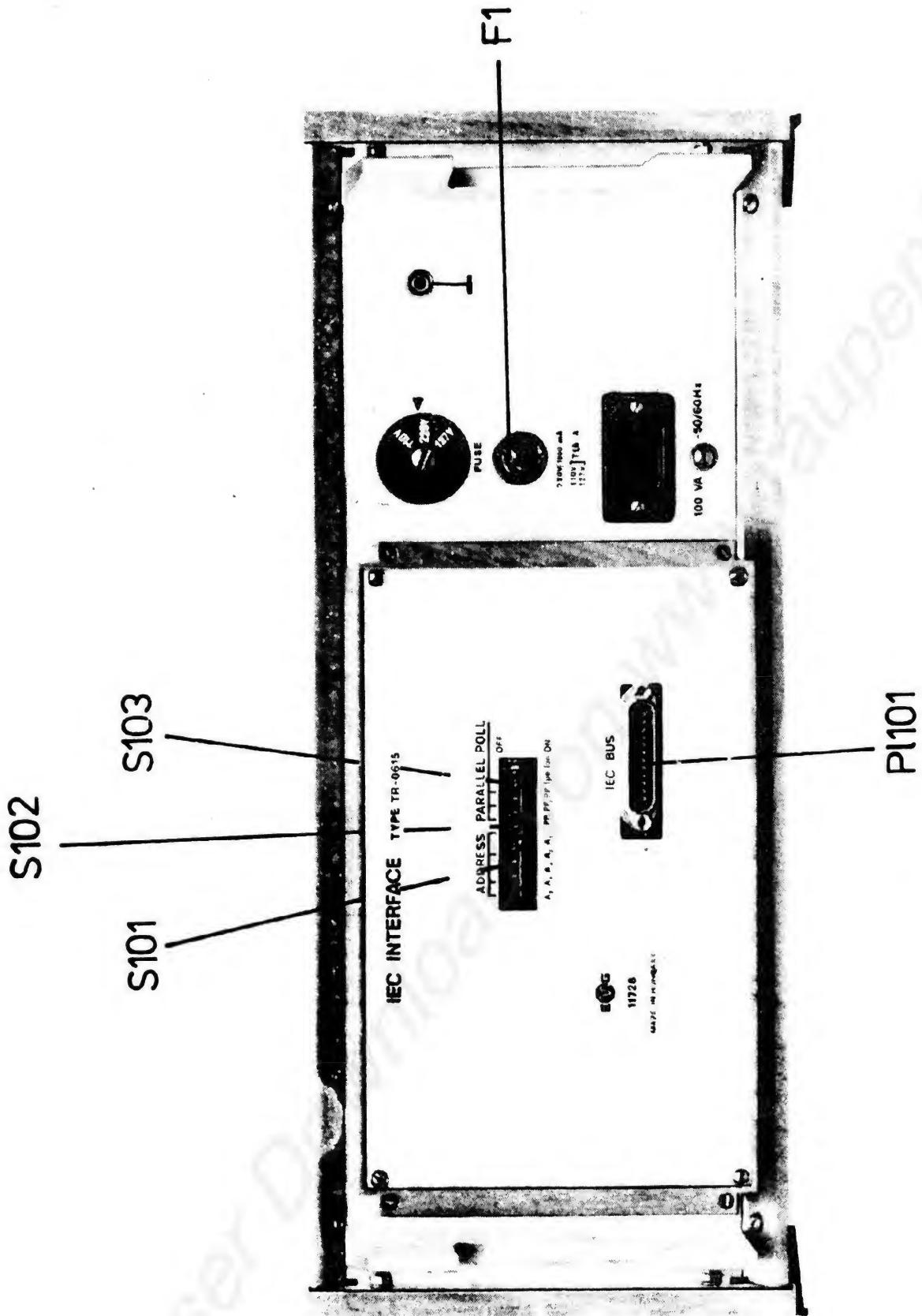
82b

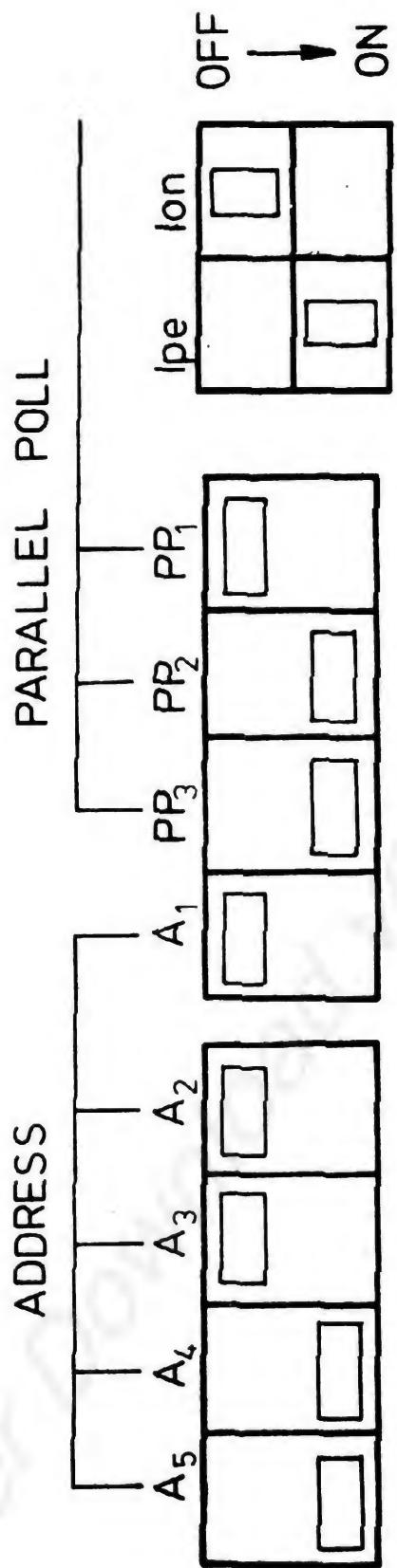
1172/R

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1172/E









R 

No		Ω	%	W	No		Ω	%	W
R101	RF	100	5	0,25	R110	RF	100 k	5	0,25
R102	RF	1 k	5	0,25	R111	RF	220 k	5	0,25
R103	RF	2,2 k	5	0,25	R112	RF	4,7 k	5	0,25
R104	RF	240	5	0,25	R113	RF	8,2 k	5	0,25
R105	RF	6,8 k	5	0,25	R114	RF	120 k	5	0,25
R106	RF	120 k	5	0,25	R115	RF	100	5	0,25
R107	RF	4,7 k	5	0,25	R116	RF	4,7 k	5	0,25
R108	RF	120 k	5	0,25	R117	RF	4,7 k	5	0,25
R109	RF	120 k	5	0,25	R118	RF	4,7 k	5	0,25
					R119	RF	120 k	5	0,25
					R120	RF	680 k	5	0,25

C 

No		F	%	V	No		F	%	V
C101	CE	100 μ	+100-10	16	C112	CS	470 p	5	160
C102	CK	100 n	+80-20	40	C113	CFE	68 n	10	100
C103	CK	100 n	+80-20	40	C114	CK	22 n	+8 -20	40
C104	CK	22 n	+80-20	40	C115	CS	3,3 n	5	63
C105	CS	470 p	5	160	C116	CS	10 n	5	63
C106	CK	22 n	+80-20	40	C117	CS	10 n	5	63
C107	CS	1 n	5	160	C118	CS	1 n	5	160
C108	CK	22 n	+80-20	40	C119	CS	1,5 n	5	160
C109	CK	22 n	+80-20	40	C120	CS	3,3 n	5	63
C110	CME	100 n	10	100	C121	CME	100 n	10	100
C111	CS	470 p	5	160	C122	CK	22 u	+80-20	40
					C123	CET	1 μ	+50-20	35

V 

D 

TR 

D101	D	ZPD3,9 1N4148	TR101	TR	BC182 1N4148
D102	D		TR102	TR	

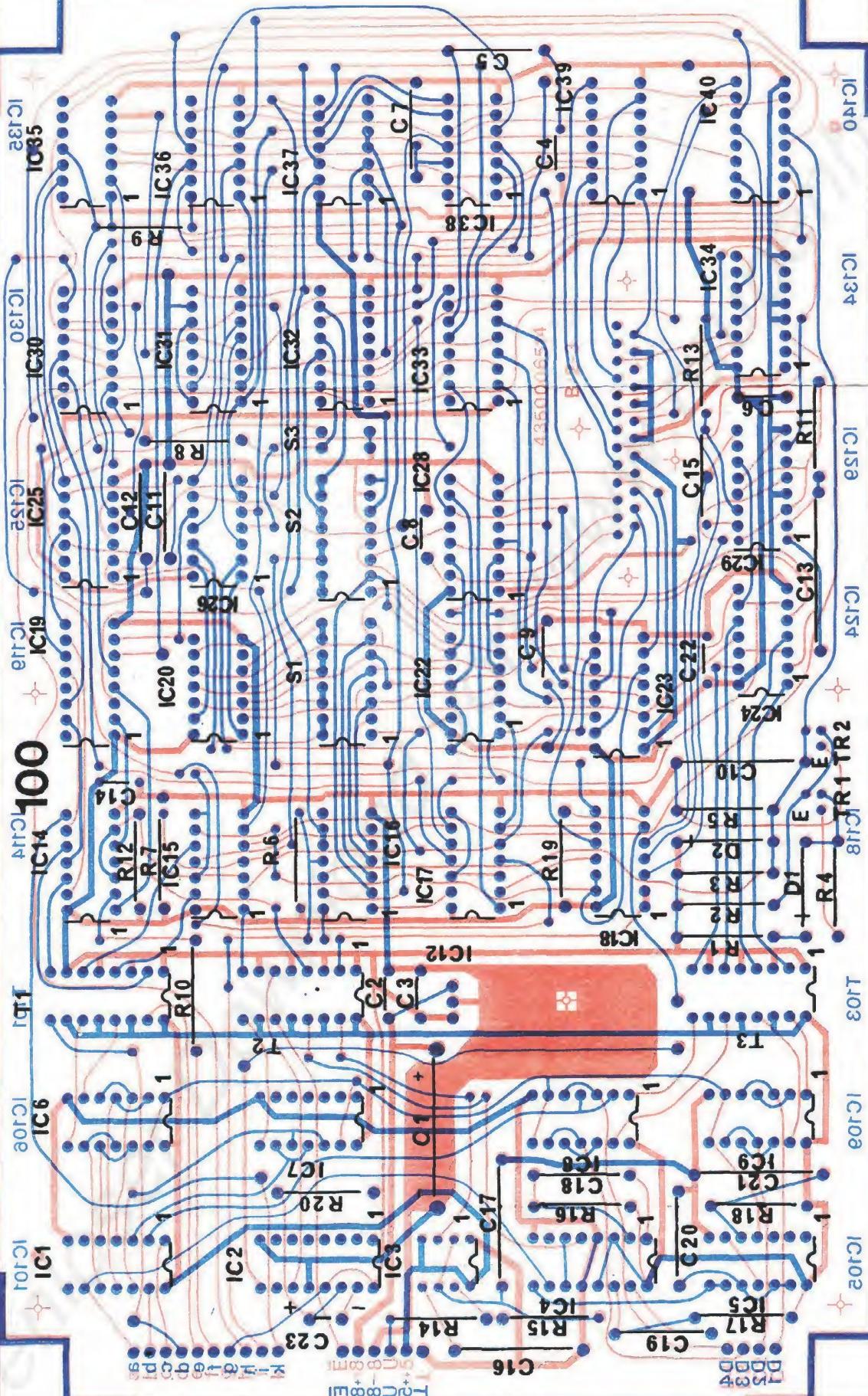
IC101	IC	HEF4012BP	IC122	IC	HEF4069UBP
IC102	IC	HEF4528BP	IC123	IC	MC3441P
IC103	IC	NE555V	IC124	IC	SN7401N
IC104	IC	HEF4528BP	IC125	IC	HEF4011BP
IC105	IC	HEF4081BP	IC126	IC	HEF4001BP
IC106	IC	HEF4011BP	IC128	IC	MC3441P
IC107	IC	HEF4011BP	IC129	IC	HEF4528BP
IC108	IC	HEF4011BP	IC130	IC	HEF4027BP
IC109	IC	HEF4011BP	IC131	IC	HEF4027BP
			IC132	IC	HEF4028BP
IC112	IC	/uA7805UC	IC133	IC	HEF4050BP
			IC134	IC	MC3441P
IC114	IC	SN7405N	IC135	IC	HEF4069UBP
IC115	IC	SN7401N	IC136	IC	HEF4001BP
IC116	IC	HEF4082BP	IC137	IC	HEF4082BP
IC117	IC	HEF4081BP	IC138	IC	HEF4081BP
IC118	IC	HEF4011BP	IC139	IC	MC3441P
IC119	IC	HEF4049BP	IC140	IC	HEF4049BP
IC120	IC	HEF4012BP	T101	T	42520005
			T102	T	42520C05
			T103	T	42520005
S101	S	A1341A19	P1101	P1	17212501
S102	S	A1341A19			
S103	S	A10040102			

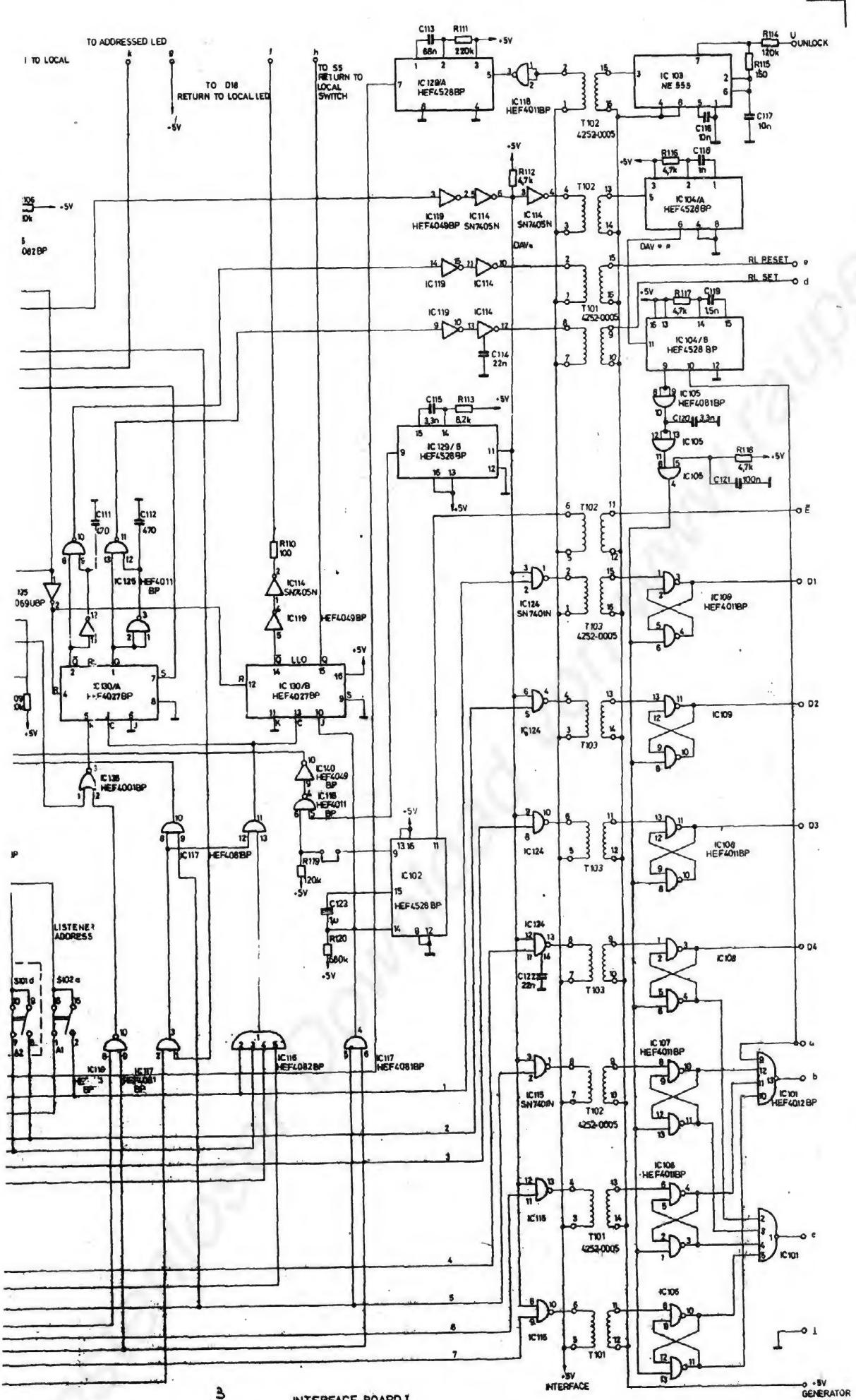
11728

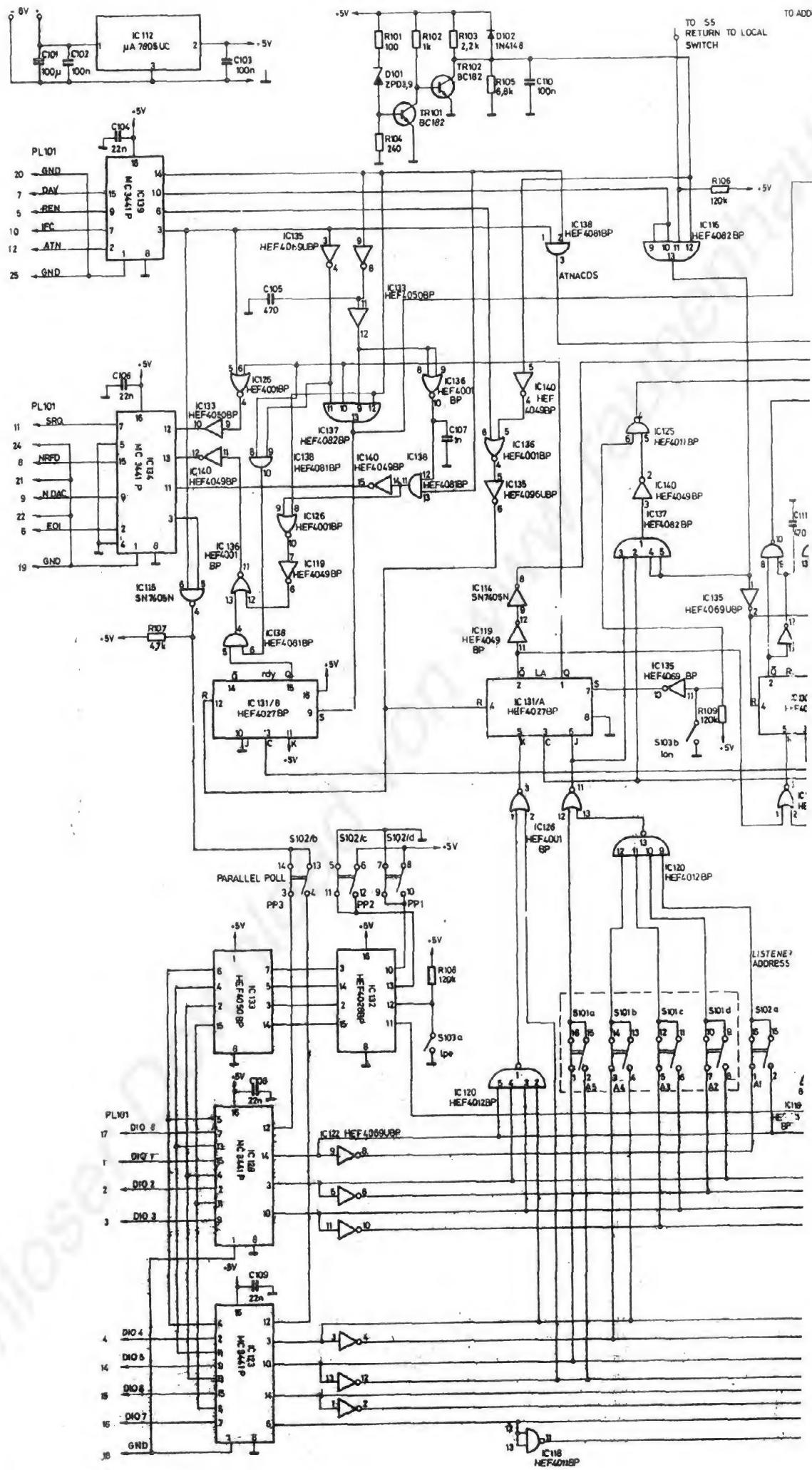
86/2
11728

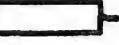
1172

87







R 

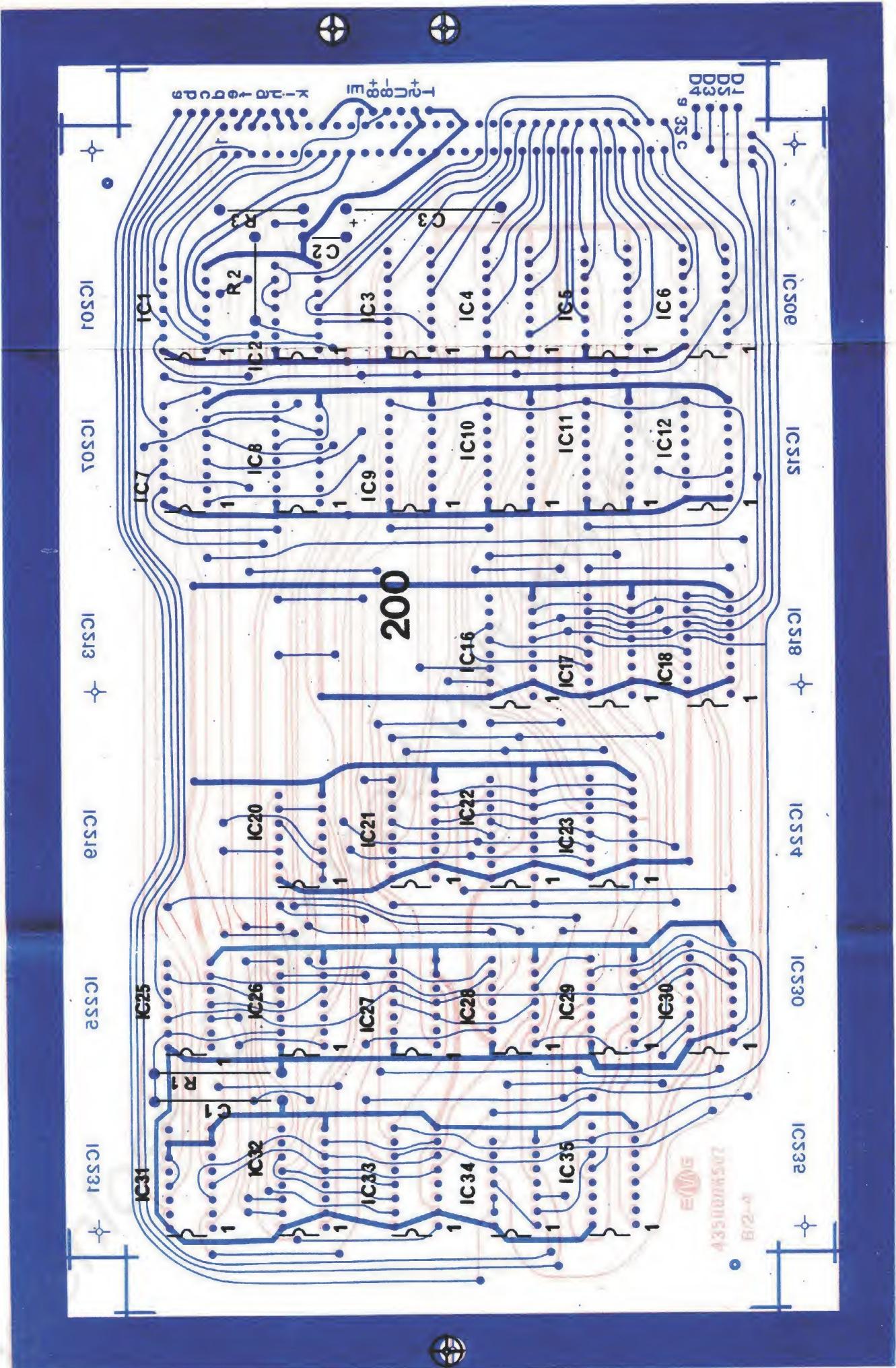
No		Ω	%	W	No		Ω	%	W
R201	RF	470 k	5	0,25					
R202	RF	100	5	0,25	R203	RF	100	5	0,25

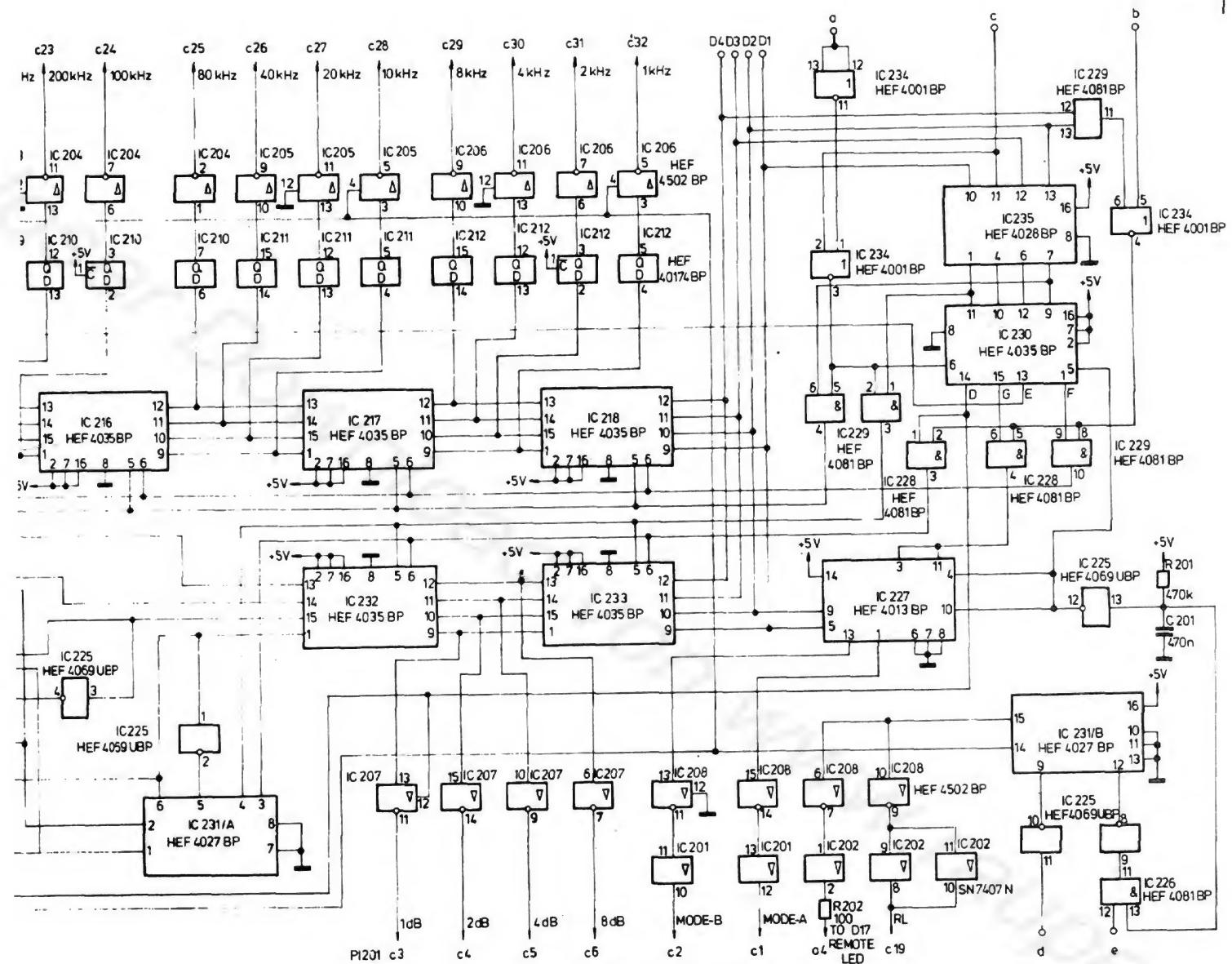
C 

No		F	%	V	No		F	%	V
C201	CME	470 n	10	63					
C202	CK	100 n	+80-20	40	C203	CE	100 μ		16

...    ...

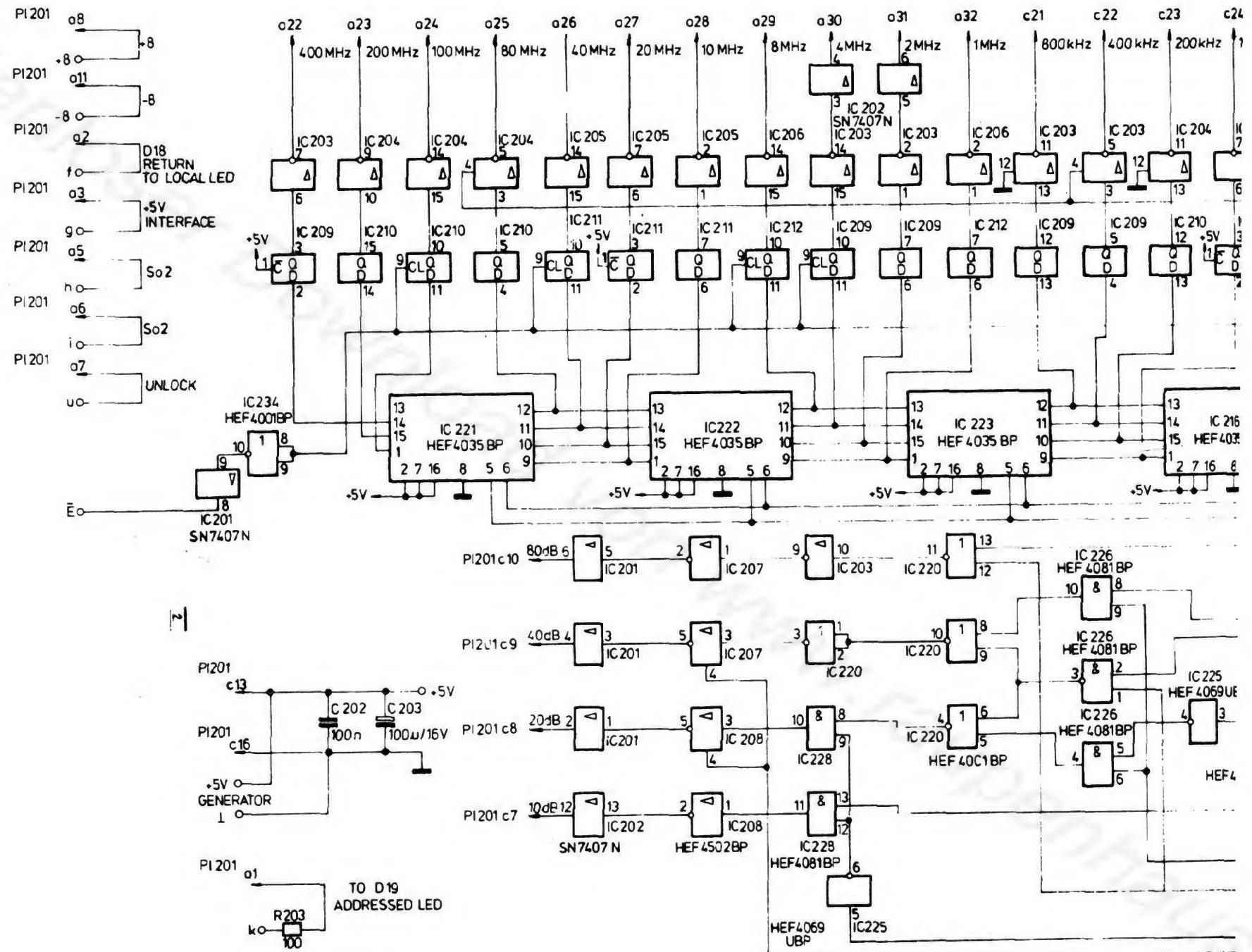
IC201	IC	SN7407N	IC220	IC	HEF4001BP
IC202	IC	SN7407N	IC221	IC	HEF4035BP
IC203	IC	HEF4502BP	IC222	IC	HEF4035BP
IC204	IC	HEF4502BP	IC223	IC	HEF4035BP
IC205	IC	HEF4502BP	IC225	IC	HEF4069UBP
IC206	IC	HEF4502BP	IC226	IC	HEF4081BP
IC207	IC	HEF4502BP	IC227	IC	HEF4093BP
IC208	IC	HEF4502BP	IC228	IC	HEF4081BP
IC209	IC	HEF40174BP	IC229	IC	HEF4081BP
IC210	IC	HEF40174BP	IC230	IC	HEF4035BP
IC211	IC	HEF40174BP	IC231	IC	HEF4027BP
IC212	IC	HEF40174BP	IC232	IC	HEF4035BP
			IC233	IC	HEF4035BP
IC216	IC	HEF4035BP	IC234	IC	HEF4001BP
IC217	IC	HEF4035BP	IC235	IC	HEF4028BP
IC218	IC	HEF4035BP			
P1201	P1	714A96P/33/			



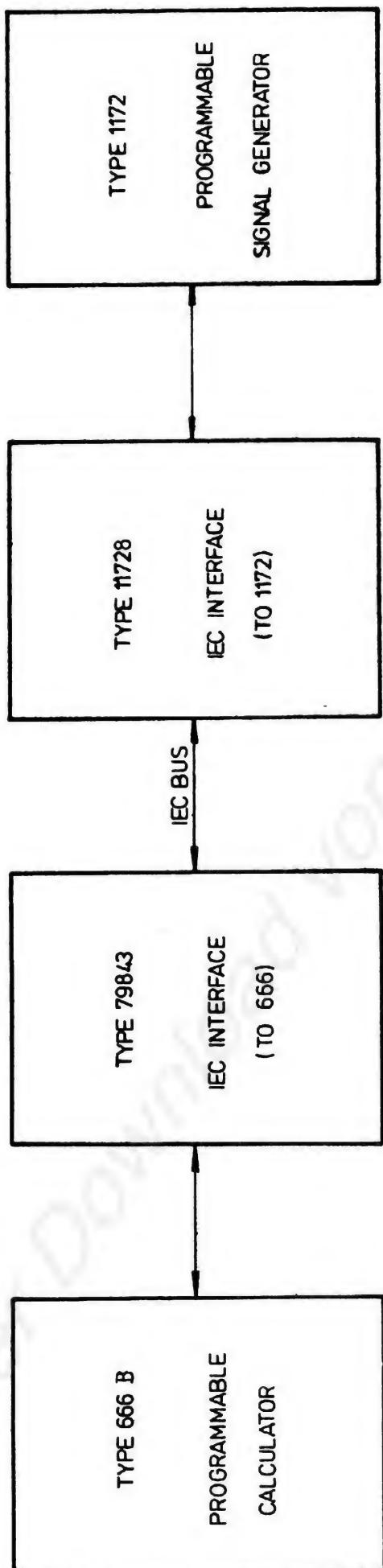


INTERFACE BOARD II

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IC203-IC205 IC207 HEF4502BP
IC209-IC211 HEF4017B



R - 

No		Ω	%	W	No		Ω	%	W
R1	RF	20	5	0,125					

C + 

No		F	%	V	No		F	%	V
C1	CK	120 p	5	100					

V - 

D 

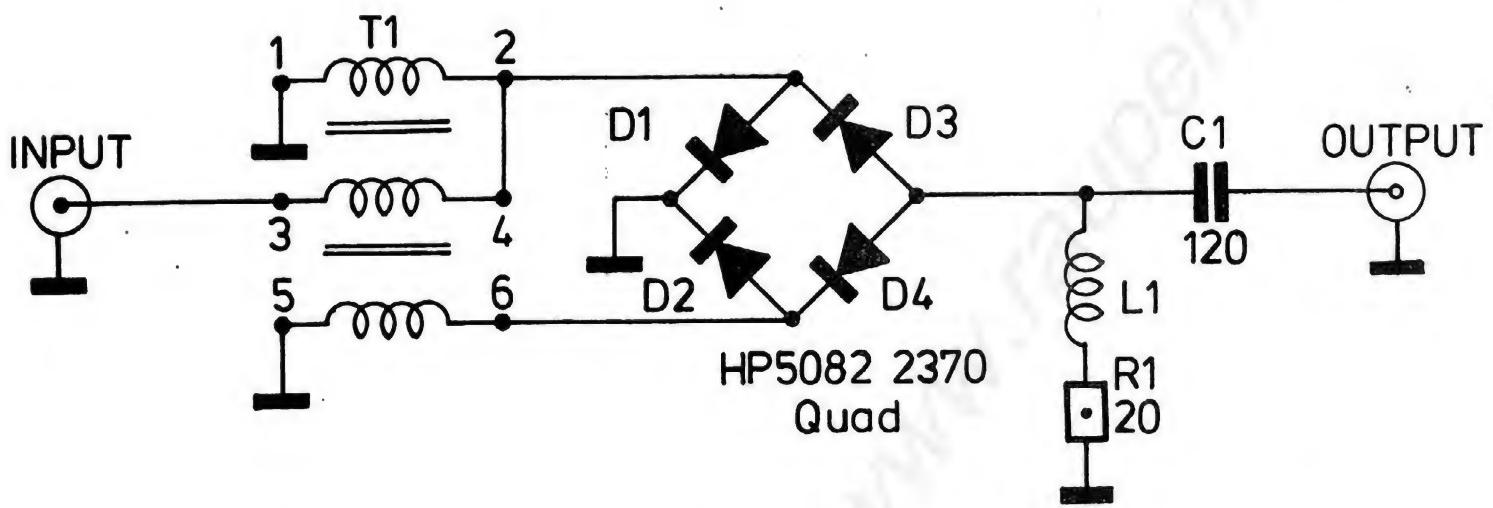
TR 

D1	D	HEWLETT PACKARD		D3	D	HEWLETT PACKARD
D2	D	HEWLETT PACKARD		D4	D	HEWLETT PACKARD

...							...
T1	T	3861000296		L1	L	7260000708	

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93
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94

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